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TÜRKİYE CÜMHURİYETİ
MİLLÎ EĞİTİM BAKANLIĞI

İSTANBUL KANDİLLİ RASATHANESİ

1939

(Temmuz, Ağustos, Eylül)

Meteoroloji, Sismoloji ve
Miknatis Rasatları

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İSTANBUL
MİLLÎ EĞİTİM BASİMEVİ

I — Meteoroloji (Météorologie)

Yakup Elbek

Cetvel, grafik ve işaretlerin izahları 5 numaralı mecmuada bulunduğundan tekrar olmasına lüzum görülmemiştir.

Olayların aylık gidişi

TEMMUZ

Basınç — Bu ay barometre çok muntazam seyretmiştir. Yalnız 5 inci gün saat 6 ile arasında 2,1 mm. lik bir çanak yapmıştır. 8 inci güne kadar 761.5 ile 757.2 mm. arasında ve 10 uncu günler 763 ile 761 mm. arasında, 11-13 üncü günler 758 ile 761.2 mm. arasında, ve 15 inci günlerde 763.1 ile 760.3 mm. arasında, 16 ncı günden 23 üncü güne kadar 761 ile 761 mm. arasında devam etmiştir. 23 üncü gün öğleden sonra düşmeğe başlamış, 24 üncü gün saat 15/15 te (753.0 mm.) olmak üzere ayın mutlak minimumundan geçmiş, 25 üncü gün 757.7 mm. olmuş ve yavaş yavaş düşerek 28 inci gün 755 mm. minimum kıy-ı aldktan sonra tekrar yükselmeğe başlamış 31 inci gün saat 11 de (764.4 mm.) olmak üzere ayın mutlak maksimumunu yapmış ve gece yarısına kadar bu civarda seyretmiştir. Çok sapma 11.4 mm. dir.

Bu ayın ortalaması 759.5 mm. olup normal (758.6 mm.) den 0.9 mm. fazladır. 28 yıllık rasatlarda bu aydaki ortalamaların maksimumu 1928 de 761.3, minimumu da 1914 te 756.6 mm. dir.

Sıcaklık — Bu ayın mutlak maksimumu 26 ncı gün saat 13/50 de 35°.0, mutlak minimumu da 16 ncı gün saat 5/00 te 15°.8 olup en çok sapma 19°.2 dir. Bu ayın ortalaması (22°.6) olup normal (22°.6) dan 1°.5 fazladır. Bu ayın maksimumlar ortalaması 28°.7 dir ki normal (27°.3) ten 1°.4 fazla, minimumlar ortalaması da 19°.5 tir ki normal (18°.5) ten 1°.0 fazladır. 28 yıllık rasatlarda bu ay için mutlak maksimum olarak 1916 yılı 6 ncı gün 39°.2 ve mutlak minimum olarak da 1933 yılı 6 ncı gün 9°.5 kaydedilmiştir.

Bağıl nem — Bu ayın minimum nemi 26 ncı gün saat 13/40 ta % 15 tir. Bu ayın ortalaması % 67 olup normal (% 71) den % 4 eksiktir. 28 yıllık rasatlarda bu aydaki ortalamaların maksimumu 1936 da % 80, minimumu da 1929 da % 66 dir.

Çökelek — Yalnız 5 inci gün 12.7 mm. yağmur yağmıştır ki normal (32.8 mm.) den 20.1 mm. eksiktir. 1928, 1932 ve 1917 senelerinde sırasıyle 0.0, 0.4 ve 0.8 mm. olmak üzere yağmurlu temmuz aylarına tesadüf edilmiştir. Mezkûr 5 inci gün saat 6/40 ile 10/00 arasında 10.3 mm. yağmur yağmıştır ki ortalama şiddeti dakikada 0.05 mm. dir. Maksimum şiddeti saat 7/10 ile 7/20 arasında dakikada 0.21 mm. dir.

Fırtınalı günler:

Gün	Devam fasılası h/m ilâ h/m	Maksimum hızı m/s	Yönü
1	11/00 — 16/15	15	NNE
4	11/00 — 12/00	14	N
5	2/45 — 8/00	17	N
29	11/45 — 18/30	16	NNE

Toprağın sıcaklığı — 5, 10, 20 ve 50 sm. derinliktekilerin tahavvülleri her aydın aynıdır. Bir ve iki metre derinliktekiler mevsim seyrine uyarak yükselmelerine devam etmişlerdir. Bir metredeki ay başında 20°.8 iken ay sonunda 23°.9 iki metredeki başında 16°.6 iken ay sonunda 18°.7 olmuştur.

AĞUSTOS

Basınç — Barometre yavaş yavaş inerek 3 üncü gün 757.2 mm. minimum kıymet geçmiş, 4 üncü gün 759.8 mm. olmuş, 7 nci güne kadar 760.4 ile 758.5 mm. arasında devam etmiş, 7 nci gün saat 8 den itibaren düşmeğe başlamış, 9 uncu gün akşamı 755.7 mm. minimumdan geçmiş, 10 uncu gün 759.8 mm. ye çıkmış ve 11 inci gün akşamına kadar 757.2 ile 760 mm. arasında seyretmiştir. 12 nci gün 757 ile 759 mm. arasında devam etmiş 13 üncü gün sabahı yükselmeğe başlamış 14 üncü gün akşamı 763.2 mm. maksimum kıymeti almış 17 nci gün 756.0 mm. ye düşmüş ve 21 inci gün gece yarısına kadar 754.4 ile 757.6 mm. arasında az mütehavvil devam etmiştir. 22 nci gün sabahından itibaren yükselmeğe başlamış, 25 inci gün saat 10 da (763.6 mm.) olmak üzere ayın mutlak maksimumunu yapmış 28 inci gün saat 4/15 te 756.0 mm. minimum kıymetten geçerek 31 inci gün akşamı 760.0 mm. yi bulmuştur. Bu ayın mutlak minimumu 21 inci gün saat 5 te (754.5) mm. dir. En çok sapma 9.1 mm. dir.

Bu ayın ortalaması 758.6 mm. olup normal (759.0 mm.) den 0.4 mm. eksiktir. 29 yıllık rasatlarda bu aydaki ortalamaların maksimumu 1932 de 761.2, minimumu da 1911 de 754.5 mm. dir.

Sıcaklık — Bu ayın mutlak maksimumu 9 uncu gün saat 15/ te 35°.2, mutlak minimumu da 21 inci gün saat 15/00 te 16°.1 olup en çok sapma 19°.1 dir. Bu ayın ortalaması 22°.7 olup normal (22°.7) den 0°.3 fazladır. Bu ayın maksimumlar ortalaması 27°.3 tür ki normal (27°.3) e müsavidir. Minimumlar ortalaması da 19°.0 dir ki normal (18°.6) dan 0°.4 fazladır. 29 yıllık rasatlarda bu ay için mutlak maksimum olarak 1938 yılı 14 üncü gün 36°.8, mutlak minimum olarak da 1930 yılı 31 inci gün 12°.9 görülmüştür.

Bağıl nem — Bu ayın minimum nemi 9 uncu gün saat 15/00 te % 22 dir. Bu ayın ortalaması % 75 olup normal (% 71) den % 4 fazladır. 29 yıllık rasatlarda bu aydaki ortalamaların maksimumu 1918 de % 78, minimumu da 1928 de % 62 dir.

Çökelek — Cetvelinde 13 gün yağmurlu görünüyorsa da 2 günü 0.2 şer ve bir gün 0.3 mm. olmak üzere ehemmiyetsizdir. Bu müddet zarfında 123.5 mm. yağmur yağmıştır normal (39.5 mm.) den 84.0 mm. fazladır. 1913, 1924 ve 1914 senelerinde sırasıyle 177.6, 171.6 ve 143.8 mm. olmak üzere çok yağışlı temmuz aylarına tesadüf edilmiştir.

Şiddetli ve sürekli yağışlar

Gün	Miktarı	Zaman ve müddeti	Ortalma şiddeti	Maksimum şiddeti	Maksimum şiddetin zaman ve müddeti
	mm.	h/m ilâ h/m	mm/min.	mm/min.	h/m ilâ h/m
13	5.1	0/30 — 3/00	0.03	0.33	2/39 — 2/42
	45.8	7/00 — 13/10	0.12	1.25	8/08 — 8/20
	3.7	22/10 — 23/30	0.05	0.38	22/12 — 22/15
21	11.3	14/48 — 15/10	0.51	0.81	14/58 — 15/08
29	41.7	8/00 — 14/45	0.10	1.33	8/55 — 8/58

Fırtınalı günler:

Gün	Devam fasılası	Maksimum hızı	Yönü
	h/m ilâ h/m	m/s	
11	3/30 — 12/00	17	N
12	14/30 — 18/00	15	NNW
21	14/25 — 15/00	14	N

Toprağın sıcaklığı — 5, 10, 20 ve 50 sm. derinlikteki termometrelerin tahavvülü her lakinin aynıdır. Bir metre derinlikteki ay başında 23.9 iken yavaş yavaş yükselmesine nam ederek 11 inci gün (24°.6) olmak üzere mevsimin maksimum kıymetini almış ve bu meti bir gün daha muhafaza ettikten sonra yavaş yavaş azalmağa başlamış ay sonunda 3 olmuştur. İki metredeki ay başında 18°.8 iken 15 inci gün (19°.8) olmak üzere mevsim maksimum kıymetini almış ve ay sonuna kadar bu kıymeti muhafaza etmiştir.

EYLÜL

Basınç — 762.4 mm. ile 760.8 mm. arasında seyreden barometre 3 üncü gün öğleden ra düşmeğe başlamış, 4 üncü gün sabahı 757.9 mm. minimum kıymetten geçmiş, 6 ncı akşamı 767 mm. yi bulmuş ve 8 inei güne kadar 767 ile 766 mm. arasında değişmiş, 9 ncü gün sabahından itibaren düşerek 9 uncu gün 763 mm. olmuş ve 10 uncu güne kadar 764.2 mm. arasında az mütehavvil olarak devam etmiştir. 10 uncu gün öğleden ra yevmi tahavvüllerini yapmak suretiyle düşerek 13 üncü gün 758 mm. olmuş ve 14 ncü güne kadar bu civarda seyrettikten sonra 15/16 gecesi yükselmeğe başlayarak 16 ncü gün 763.2 mm. maksimum kıymeti almış ve 18/19 gecesi 758.2 mm. minimumdan geçerek 21 inci gün sabahı 763 mm. yi bulmuştur. Bundan sonra düşerek 24 üncü gün saat 55 te (751.0) mm. olmak üzere ayın mutlak minimumundan geçmiş, 26 ncı gün akşamı 761.2 mm. (21/30 da (767.3 mm.) olmak üzere ayın mutlak maksimumunu yapmış, 28 inci gün 758 mm. ye düşmüştür. 28 inci gün saat 16 dan 29 uncu gün sabahı saat 4 e kadar 755.8 ile 758.8 mm. arasında küçük çanaklar yaparak devam etmiş ve saat 4 ten sonra yükselmeğe başlayarak akşamı 763.4 mm. maksimum kıymeti almış ve 30 uncu gün gece yarısı 760.4 mm. olmuştur. En çok sapma 16.3 mm. dir.

Bu ayın ortalaması 761.2 mm. olup normal (761.8 mm.) den 0.6 mm. eksiktir. 29 yıllık aylarda bu aydaki ortalamaların maksimumu 19.6 da 764.0, minimumu da 1929 de 760.2 mm. dir.

Sıcaklık — Bu ayın mutlak maksimumu 19 uncu gün saat 13/10 da $28^{\circ}.5$, mutlak minimumu da 27 nci gün saat 6/15 te $8^{\circ}.4$ olup en çok sapma $20^{\circ}.1$ dir. Bu ayın ortalaması $18^{\circ}.8$ olup normal ($19^{\circ}.6$) dan $0^{\circ}.8$ eksiktir. Bu ayın maksimumlar ortalaması $23^{\circ}.2$ dir normal ($24^{\circ}.2$) den $1^{\circ}.0$ eksik, minimumlar ortalaması da $15^{\circ}.5$ tir ki normal ($15^{\circ}.9$) dan 0 eksiktir. 29 yıllık rastlar içinde bu ay için mutlak maksimum olarak 1938 senesi birinci gün $38^{\circ}.0$, mutlak minimum olarak da 1931 yılı 28 inci gün $6^{\circ}.0$ kaydedilmiştir.

Bağıl nem — Bu ayın minimum nemi 27 nci gün saat 13/00 te % 31 dir. Bu ayın ortalaması % 75 olup normal (% 71) den % 4 fazladır. 29 yıllık rasatlarda bu aydaki ortalamaların maksimumu 1924 te % 76, minimumu da 1922 ve 1927 de % 63 tür.

Çökelek — Cetvelinbe görüldüğü üzere 4 gün yağmurlu geçmiş ve 64.3 mm. yağmur yağmıştır ki normal (55.2 mm.) den 9.1 mm. fazladır. 1938, 1911 ve 1913 senelerinde sırasıyla 276.2, 151.2 ve 137.8 mm. olmak üzere çok yağışlı eylül ayları kaydedilmiştir.

Şiddetli ve sürekli yağışlar

Gün	Miktarı	Zaman ve müddeti	Ortalama şiddeti	Maksimum şiddeti	Maksimum şiddet zaman ve müddeti	
					h/m ilâ h/m	h/m ilâ h/m
24	5.6	13/30 — 14/00	0.19	1.25	13/48 — 13/52	13/48 — 13/52
25	10.2	11/20 — 13/15	0.09	0.75	11/43 — 11/47	11/43 — 11/47
28/29	45.8	12/30 — 7/00	0.04	0.21	21/27 — 21/34	21/27 — 21/34

Fırtınalı günler:

Bu ay yalnız bir gün fırtınalı geçmiştir. 29 uncu gün saat beşte başlamış ve 8/15 kadar sürmüştür. Yönü NNE olup maksimum hızı saniyede 15 metredir.

Toprağın sıcaklığı — 5, 10, 20 ve 50 derinlikteki termometrelerin tahavvülü toprağın aynıdır. Bir metredeki intizamsızlık göstermiştir. 2 metredeki ay başında maksimum kıymeti olarak $19^{\circ}.0$ yi 5 gün muhafazadan sonra düşmeğe başlamış sonunda $19^{\circ}.4$ olmuştur.

Tarih — Date	Barometre (O° ye ve O. D. S.) 700 mm +				Sıcaklık C° Température						Buhar gerilimi Tension de la vap. mm.				Bağıl nem % Humidité relat				Aktinom. C°		Cüste Mak. Max. min.
	7	14	21	Or. Moy.	7	14	21	Or. Moy	Mak Max	Min Min	7	14	21	Or. Moy.	7	14	21	Or. Moy.	Beyaz Blanc	Siyah Noir	
1	58.9	57.7	58.7	58.4	23.6	26.7	21.9	24.1	28.0	21.2	17.66	17.41	18.15	17.74	81	67	93	80	41.0	49.0	54.1
2	58.9	58.8	59.8	59.2	22.5	26.7	22.0	23.7	27.3	20.6	18.48	18.14	18.43	18.35	91	70	94	85	42.4	52.0	54.2
3	60.3	60.4	60.9	60.5	22.4	26.1	21.9	23.5	26.8	20.2	17.33	16.70	17.80	17.28	86	67	91	81	41.6	50.8	52.8
4	59.6	59.8	59.6	59.7	23.5	26.1	22.4	24.0	28.6	20.2	17.37	17.41	19.24	18.01	80	69	96	82	42.4	52.0	53.8
5	60.0	59.8	61.1	60.3	17.5	22.0	19.3	19.6	23.6	16.5	14.91	15.56	15.71	15.39	100	79	94	91	31.2	35.8	43.2
6	60.5	61.0	61.4	61.0	20.2	23.0	20.2	21.1	23.2	18.0	13.77	16.30	16.31	15.46	78	78	92	83	37.2	45.6	51.2
7	59.9	60.4	60.7	60.3	21.2	24.0	19.7	21.6	25.3	18.2	14.11	16.38	16.43	15.64	75	74	96	82	40.3	48.6	54.0
8	60.7	60.6	61.8	61.0	20.3	25.1	19.9	21.8	26.6	18.4	15.12	14.89	14.10	14.70	85	62	81	76	40.0	48.0	50.5
9	62.4	62.0	62.8	62.4	20.8	25.5	19.6	22.0	26.5	17.4	16.11	10.17	9.17	11.82	88	41	53	61	46.0	48.4	52.8
10	62.8	61.5	61.2	61.8	21.1	28.5	20.8	23.5	28.6	17.2	9.12	9.79	8.32	9.08	48	33	44	42	43.8	52.0	55.0
1 inci onluk	60.4	60.2	60.8	60.5	21.3	25.4	20.8	22.5	26.5	18.8	15.40	15.28	15.37	15.35	81	64	83	76	40.6	48.2	52.2
11	59.9	59.1	59.7	59.6	21.3	26.4	20.4	22.7	27.8	18.0	9.85	16.00	17.00	14.28	52	62	95	70	41.6	49.0	53.0
12	60.4	60.6	60.6	60.5	22.4	24.8	21.1	22.8	25.3	19.2	16.65	15.91	17.93	16.83	82	68	96	82	40.5	48.6	53.9
13	59.8	59.3	61.0	60.0	21.8	25.9	20.9	22.9	27.3	19.6	16.84	15.09	17.21	16.38	86	61	94	80	39.0	46.8	57.0
14	61.4	61.8	62.9	62.0	21.5	23.8	19.9	21.7	24.6	17.6	15.21	14.17	13.80	14.39	79	64	80	74	39.2	47.4	54.6
15	62.7	61.5	60.8	61.7	20.8	24.9	20.3	22.0	25.8	17.0	14.04	12.15	13.25	13.15	77	51	75	68	40.2	48.2	54.0
16	60.0	59.4	59.5	59.6	20.3	27.9	21.5	23.2	28.6	15.8	13.56	10.30	11.19	11.68	77	36	58	57	43.0	49.2	55.0
17	59.7	59.1	60.3	59.7	22.8	30.7	23.5	25.7	31.2	19.5	13.16	10.40	15.83	13.13	63	32	73	56	46.0	54.0	57.0
18	60.4	60.1	60.0	60.2	25.0	31.0	26.7	27.6	34.6	20.4	13.62	11.39	11.97	12.33	58	33	46	46	44.0	49.4	56.7
19	59.7	59.1	58.8	59.2	24.4	32.7	27.0	28.0	33.8	22.0	13.82	15.51	15.46	14.93	60	42	58	53	46.3	56.8	57.7
20	58.3	59.0	60.2	59.2	26.4	30.4	23.9	26.9	30.8	22.3	18.32	15.04	19.80	17.72	72	46	90	69	45.0	52.0	55.4
2 inci onluk	60.2	59.9	60.4	60.2	22.7	27.9	22.5	24.4	29.0	19.1	14.51	13.60	15.34	14.48	71	50	77	66	42.5	50.1	55.4
21	60.9	60.2	59.5	60.2	24.5	30.5	25.9	27.0	30.8	21.0	12.95	15.16	12.76	13.62	57	46	51	51	44.0	48.2	58.0
22	59.2	58.4	58.4	58.7	25.8	30.9	23.9	26.9	33.4	22.0	13.15	13.86	16.61	14.54	53	42	75	57	46.0	53.4	57.5
23	58.6	57.7	58.4	58.2	23.9	31.7	21.7	25.8	33.2	20.7	14.27	12.51	15.74	14.17	65	36	81	61	46.8	54.0	58.0
24	57.5	56.3	55.7	56.5	23.8	29.0	23.1	25.3	30.6	19.9	15.49	14.98	13.46	14.64	70	50	64	61	44.0	53.0	55.6
25	54.7	54.8	55.3	54.9	25.4	30.0	23.2	26.2	33.8	21.5	12.74	18.62	18.42	16.59	52	59	87	66	44.0	54.0	58.1
26	55.0	53.4	55.8	54.7	24.8	34.0	23.7	27.5	35.0	21.2	17.29	8.45	16.90	14.21	73	21	78	57	48.0	55.2	58.5
27	57.6	56.5	56.7	56.9	24.3	27.4	22.6	24.8	29.1	20.9	9.82	9.19	9.51	9.51	44	34	46	41	42.2	50.0	58.5
28	56.2	55.1	55.8	55.7	22.7	27.5	21.3	23.8	27.8	19.4	12.29	12.14	11.75	12.06	60	45	62	56	42.4	50.0	54.5
29	56.2	56.8	58.8	57.3	23.3	26.7	21.7	23.9	28.0	19.1	13.19	14.61	15.58	14.46	62	56	81	66	41.5	49.4	54.7
30	60.4	61.2	63.1	61.6	22.3	25.4	22.1	23.3	26.6	20.1	13.94	17.29	16.00	15.74	70	72	81	74	40.6	48.2	55.6
31	64.0	63.6	64.1	63.9	23.1	27.1	22.5	24.2	27.7	20.0	13.78	13.53	16.76	14.69	66	50	82	60	42.6	50.0	53.8
3 üncü onluk	58.2	57.6	58.3	58.	24.0	29.1	22.9	25.3	30.5	20.5	13.54	13.67	14.86	14.02	61	46	72	60	43.8	51.4	56.6
Toplam Aylık Ortalama	59.6	59.2	59.8	59.5	22.7	27.5	22.1	24.1	28.7	19.5	14.45	14.16	15.18	15.60	71	53	77	67	42.3	50.0	54.8

illet 1939

Rüzgâr — Vent																				Bulut—Nuage	Yağmur ^{7 den}		Kar ^{7 den}	Düşünceler Remarques	
Frekans — Fréquence								Süre — Durée [*]								Hız Vitesse m/s.									
N	NE	E	SE	S	SW	W	NW	N	NE	E	SE	S	SW	W	NW		Düğün								
2	3	1	—	—	—	—	1	81	16	1	—	—	—	—	2	—	6.1	6.0							
4	2	—	—	—	—	—	1	77	17	—	—	—	—	—	2	—	5.6	4.7							
5	4	1	—	—	—	—	2	51	41	2	—	—	—	—	2	—	5.5	2.0							
1	1	—	—	—	—	—	—	96	4	—	—	—	—	—	—	—	7.7	5.0							
2	—	—	—	—	—	—	1	98	—	—	—	—	—	—	2	—	9.9	9.7							
1	—	—	—	—	—	—	—	96	—	—	—	—	—	—	—	4	9.0	6.0	2.0						
1	—	—	—	—	—	—	—	100	—	—	—	—	—	—	—	—	6.0	2.3	10.7						
3	3	—	—	—	—	—	—	73	27	—	—	—	—	—	—	—	5.9	0.3							
2	1	—	—	—	—	—	—	57	5	—	—	—	—	—	—	38	4.1	0.0							
3	1	1	—	—	—	—	2	23	4	40	—	—	—	—	24	4	3.0	0.0							
ci ık	24	15	3	—	—	—	7	76	11	4	—	—	—	—	4	5	6.3	3.6	12.7						
	4	2	1	—	—	—	2	52	4	4	—	—	—	—	40	—	5.0	0.0							
	2	—	—	—	—	—	2	65	—	—	—	—	—	—	35	—	7.4	4.0							
	—	—	—	—	—	1	2	—	—	—	—	—	—	1	97	2	5.1	5.0							
	1	—	—	—	—	—	2	38	—	—	—	—	—	—	43	19	6.1	3.0							
	1	—	—	—	—	—	—	67	—	—	—	—	—	—	—	33	3.8	1.0							
	1	—	1	—	—	—	1	2	32	—	20	—	—	—	2	4	42	2.8	0.0						
	1	—	—	1	1	2	—	1	38	—	7	3	5	—	1	46	2.5	0.0							
	—	—	—	—	—	2	1	—	—	—	—	—	54	2	—	44	1.3	0.0							
	3	2	—	—	—	1	—	—	48	2	—	—	—	21	—	—	29	2.5	0.0						
	2	1	2	1	—	1	1	—	37	22	15	1	—	3	1	—	21	4.0	0.3						
ci ık	15	5	4	2	1	6	4	11	38	3	4	1	—	8	1	22	23	4.1	1.3						
	1	1	1	—	—	1	—	1	22	1	24	—	—	12	—	1	40	2.7	0.0						
	1	1	3	2	—	—	—	—	27	8	31	11	—	—	—	—	23	3.3	0.0						
	2	5	5	2	—	—	—	—	4	41	38	11	—	—	—	—	6	2.9	0.0						
	1	2	2	—	—	1	—	—	27	12	24	—	—	6	—	—	31	4.4	0.0						
	2	1	—	—	—	2	—	—	31	24	—	—	—	26	—	—	19	3.5	0.0						
	1	1	—	—	—	1	—	—	29	52	—	—	—	19	—	—	—	4.4	0.0						
	2	1	2	1	—	—	—	—	34	16	22	9	—	—	—	—	19	5.4	2.0						
	1	3	2	—	—	—	—	—	29	45	26	—	—	—	—	—	—	4.6	0.0						
	2	2	—	—	—	—	—	—	27	73	—	—	—	—	—	—	—	6.4	1.3						
	2	1	—	—	—	—	—	—	35	65	—	—	—	—	—	—	—	6.6	2.3						
	1	2	—	—	—	—	—	—	21	79	—	—	—	—	—	—	—	5.8	1.0						
ci ık	16	20	15	5	—	4	—	1	26	38	15	3	—	6	—	—	12	50.0	6.6						
am ama	55	40	22	7	1	11	4	19	46	18	8	1	—	5	—	9	13	4.9	1.8						

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Tarih — Date	Barometre (0° ye vo O. D. S.) 700 mm + ...				Sıcaklık G° Température						Buhâr gerilimi Tension de la vap. mm.				Bağıl nem % Humidité relat.				Aktinom C°		Güneşe Mak. Max. noir
	7	14	21	Or. Moy.	7	14	21	Or. Moy.	Mak Max	Min. Min	7	14	21	Or. Moy.	7	14	21	Or. Moy.	Beyaz Blanc	Siyah Noir	
1	63.5	62.3	62.0	62.6	23.4	27.3	21.9	24.2	29.2	20.0	17.43	13.75	15.95	15.71	81	50	82	71	42.4	49.8	54.2
2	60.5	58.8	58.7	59.3	22.9	27.3	22.5	24.2	28.2	19.8	17.89	13.92	16.76	16.19	86	52	83	74	42.4	50.0	52.9
3	58.4	57.7	58.2	58.1	23.5	28.5	22.8	24.9	30.5	20.0	18.59	14.75	19.01	17.45	86	51	92	76	43.2	54.0	55.7
4	59.4	58.9	59.8	59.4	23.3	28.6	23.3	25.1	29.4	20.3	19.07	18.12	17.65	18.28	90	62	83	78	43.8	52.0	54.2
5	59.9	59.3	59.9	59.7	23.6	29.3	22.2	25.0	31.4	21.3	18.89	13.41	16.94	16.41	87	44	85	72	46.0	49.0	56.0
6	59.6	58.9	59.2	59.2	22.7	28.1	22.6	24.5	29.4	20.0	17.67	14.64	17.04	16.45	86	51	83	73	46.0	52.0	55.3
7	59.0	57.8	57.4	58.1	21.4	30.1	26.9	26.1	32.5	19.8	15.11	11.58	10.57	12.42	79	36	40	52	43.6	52.0	54.6
8	57.3	57.1	57.8	57.4	25.2	30.0	24.9	26.7	32.5	22.4	14.39	18.24	16.02	16.20	60	58	68	62	46.0	54.0	59.2
9	56.7	56.1	57.8	56.9	26.9	34.2	27.3	29.5	35.2	23.0	14.50	10.68	15.28	13.49	55	26	56	46	48.2	55.2	59.0
10	58.8	58.8	59.1	58.9	24.7	29.7	24.8	26.4	30.8	20.7	17.17	18.41	15.74	17.11	74	59	68	69	42.6	49.6	56.4
1inci onluk	59.3	58.6	59.0	59.0	23.8	29.3	23.9	25.7	30.9	20.7	17.07	4.75	16.10	15.97	78	49	74	67	44.4	51.8	55.8
11	59.3	59.3	59.3	59.3	23.3	22.4	21.1	22.3	25.0	19.3	14.14	15.00	13.70	14.28	67	74	73	71	36.4	43.8	51.4
12	57.9	57.2	57.3	57.5	19.3	20.9	19.3	19.8	25.0	16.8	12.79	15.40	12.64	13.61	77	84	76	79	26.2	29.2	53.8
13	57.5	58.9	61.0	59.1	18.7	21.5	20.9	20.4	23.7	16.3	14.05	14.82	15.40	14.76	87	78	84	83	33.8	40.4	51.1
14	61.2	61.8	63.2	62.1	21.7	25.6	21.5	22.9	25.8	19.0	15.25	15.61	17.02	15.96	79	64	89	77	58.6	45.6	52.3
15	61.8	61.2	60.8	61.3	22.4	25.5	22.5	23.5	26.6	20.0	17.85	16.18	17.10	17.04	88	66	84	79	42.5	50.8	55.8
16	58.5	57.8	57.1	57.8	22.5	25.4	21.4	23.1	25.8	20.3	16.93	15.22	15.91	16.02	83	63	84	77	40.4	48.2	53.8
17	56.1	56.1	57.1	56.4	22.8	25.9	21.2	23.3	27.2	19.6	17.26	15.95	16.53	16.58	84	64	88	79	41.6	49.5	54.7
18	57.4	56.8	57.2	57.1	21.9	25.3	22.2	23.1	26.0	20.0	17.97	17.70	16.94	17.54	92	73	85	83	39.0	46.4	54.8
19	56.1	55.5	55.9	55.8	22.3	24.9	20.4	22.5	25.8	19.4	16.71	15.34	16.08	16.04	83	66	90	80	40.0	48.0	51.8
20	55.3	55.2	54.9	55.1	20.5	25.4	21.8	22.6	27.0	18.4	15.48	15.55	14.23	15.09	86	65	73	75	40.6	48.6	52.5
2inci onluk	58.1	58.0	58.4	58.2	21.5	24.3	21.2	22.4	25.8	18.9	15.84	15.68	15.56	15.69	83	70	83	78	37.9	45.1	53.2
21	54.8	54.5	55.4	54.9	21.4	24.6	19.7	21.9	27.0	16.1	16.08	14.84	15.00	15.31	85	65	88	79	42.0	51.0	55.3
22	55.9	56.0	57.3	56.4	20.8	24.9	20.0	21.9	26.6	17.0	13.72	14.84	14.51	14.36	75	63	83	74	40.8	49.4	55.9
23	58.0	58.9	59.7	58.9	18.4	22.5	19.2	20.0	23.4	17.3	15.30	12.26	15.46	14.34	97	61	93	84	37.6	45.6	48.5
24	60.8	61.5	63.1	61.8	19.2	24.0	19.8	21.0	24.3	18.5	13.59	11.28	15.90	13.59	82	51	92	75	38.2	45.8	48.7
25	63.2	62.2	61.8	62.4	18.5	26.1	19.0	21.2	26.6	16.5	13.41	14.46	13.12	13.66	84	57	80	74	39.8	47.6	53.2
26	60.3	58.7	58.2	59.1	19.9	26.3	19.7	22.0	28.0	16.8	12.28	13.68	14.84	13.60	71	53	87	70	40.0	48.0	53.5
27	56.7	56.7	57.0	56.8	20.1	24.5	20.2	21.6	25.2	18.5	15.56	15.58	16.95	16.03	89	68	96	84	39.8	47.8	52.8
28	56.5	56.1	57.7	56.8	21.9	25.6	21.1	22.9	26.8	18.7	16.61	15.61	17.26	16.49	85	64	93	81	37.5	47.0	56.0
29	57.2	58.9	59.5	58.5	21.4	17.8	19.8	19.7	21.6	17.4	16.08	15.19	12.79	14.69	85	100	74	86	18.6	19.0	24.0
30	59.0	60.0	60.4	59.8	19.6	21.7	19.1	20.1	23.2	17.5	14.90	13.81	12.17	13.63	87	71	74	77	29.6	34.2	49.0
31	60.7	61.1	61.9	61.2	18.9	23.6	19.1	20.5	26.0	17.4	14.39	13.64	14.42	14.15	88	63	88	80	33.8	39.5	50.5
3üncü onluk	58.6	58.4	59.3	58.8	20.0	23.8	19.7	21.2	25.3	17.4	14.72	14.11	14.77	14.53	84	65	86	79	36.2	43.2	49.8
Toplam Aylık Ortalama	58.6	58.4	58.9	58.6	21.7	25.7	21.6	23.0	27.3	19.0	15.84	14.82	15.45	15.37	82	61	81	75	39.4	46.5	52.8

1939

Rüzgâr — Vent																	Bulut — Nuage	Yağmur mm.	Kar mm.	Düşünceler
Frekans — Fréquence							Süre — Durée [°]							Hız m/s.						
N	NE	E	SE	S	SW	W	NW	N	NE	E	SE	S	SW		W	NW	Durğu			
4	4	—	—	—	—	—	—	36	64	—	—	—	—	—	—	—	5.4	1.3	—	p
2	1	—	—	—	—	—	—	61	10	—	—	—	—	—	—	29	6.2	0.3	—	p 8
4	2	—	—	—	—	—	—	46	47	—	—	—	—	—	3	4	3.7	0.3	—	8 8 8 p
1	1	—	—	—	—	—	—	27	73	—	—	—	—	—	—	—	4.8	1.0	—	p 8 8
3	3	—	—	—	—	—	—	36	60	—	—	—	—	—	—	4	4.3	0.3	—	—
1	1	1	1	—	—	—	—	36	8	17	6	—	—	—	—	33	4.0	1.0	—	8 8 8
—	—	—	1	2	1	—	—	—	—	4	6	40	—	—	—	50	7.2	1.3	—	8 8 8
1	—	1	—	—	1	—	—	27	—	44	—	—	12	—	—	17	2.4	1.7	—	8 T 8
1	—	1	1	—	1	—	—	24	—	13	4	—	28	—	—	31	2.2	0.3	—	—
3	2	—	—	—	—	—	—	71	29	—	—	—	—	—	—	—	5.8	3.3	—	—
20	14	3	3	2	3	—	1	36	29	7	2	1	8	—	—	17	4.6	1.1	—	—
4	2	—	—	—	—	—	2	65	14	—	—	—	—	—	21	—	8.5	8.0	0.3	● ● ● ● ●
5	—	—	1	1	3	4	6	36	—	—	5	1	23	14	13	8	5.0	5.7	6.6	● ● ● ● ●
1	—	—	1	—	—	1	1	94	—	—	1	—	—	2	1	2	5.9	7.0	49.5	● ● ● ● ●
1	—	—	—	—	—	—	—	96	—	—	—	—	—	—	—	4	7.7	6.7	0.9	● ● ● ● ●
2	1	—	—	—	—	—	—	75	25	—	—	—	—	—	—	—	5.6	5.3	—	● ● ● ● ●
2	1	—	—	—	—	—	—	50	50	—	—	—	—	—	—	—	5.9	2.3	—	—
3	2	—	—	—	—	—	—	53	43	—	—	—	—	—	—	4	4.7	1.7	—	—
3	2	—	—	—	—	—	—	82	18	—	—	—	—	—	—	—	5.4	2.0	—	p 8
1	—	—	—	1	1	1	1	48	—	—	—	—	4	6	6	36	5.4	2.7	—	—
1	—	—	—	1	1	1	1	5	—	—	—	9	48	2	9	27	1.3	1.3	2.4	● p 8 T
23	8	—	2	2	5	7	11	60	15	—	1	1	8	2	5	8	5.5	4.3	59.7	—
4	4	1	—	—	—	—	1	29	13	17	—	—	—	8	33	—	3.5	1.7	11.3	● p T 8 8 8
3	1	—	—	—	—	2	2	62	5	—	—	—	—	9	22	2	2.8	6.0	6.6	● p T
2	—	—	—	—	—	—	3	85	—	—	—	—	—	15	—	—	7.0	8.0	1.6	● T
3	1	—	—	—	—	—	1	43	19	—	—	—	—	3	35	—	6.0	0.7	—	8
2	1	2	—	—	1	2	3	13	13	38	—	—	8	7	11	10	2.2	1.3	—	p
1	2	1	—	—	—	—	2	21	48	19	—	—	—	12	—	—	3.5	0.3	—	—
2	1	1	—	—	—	—	—	31	67	2	—	—	—	—	—	—	5.1	3.3	—	—
2	3	2	—	—	—	—	—	75	20	5	—	—	—	—	—	—	4.5	6.3	0.5	p T ●
3	4	—	—	—	—	—	—	75	25	—	—	—	—	—	—	—	6.6	9.3	42.1	T 8 ●
2	1	—	—	—	—	—	1	61	4	—	—	—	—	4	31	—	4.1	5.0	0.6	●
2	2	—	—	—	—	—	—	31	67	—	—	—	—	—	—	2	2.7	7.3	—	●
26	20	7	—	—	1	4	13	48	26	7	—	—	1	1	7	10	4.4	4.5	63.8	—
69	42	10	5	4	9	11	25	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	48	23	5	1	1	5	1	4	12	4.8	3.3	—	—

[*] Bir gün zarfında her hangi bir yönden esen rüzgârın devam müddetinin gün müddetine nisbetinin yüzdesi. —
 Pour centange de la proportion de la durée de chaque direction du vent à 24 h.

Tarih — Date	Barometre (0° ye ve O.D.S.) 700 mm +				Sıcaklık C° Température						Buhar gerilimi Tension de la vap. mm.				Bağıl nem % Humidité relat.				Aktinom. C°		Güneşte Mak. Max. noir
	7	14	21	Or. Moy.	7	14	21	Or. Moy.	Mak. Max	Min. Min	7	14	21	Or. Moy.	7	14	21	Or. Moy.	Beyaz Blanc	Siyah Noir	
1	61.9	61.7	62.3	62.0	19.5	21.9	19.3	20.2	24.0	18.0	14.81	16.11	13.53	14.82	88	92	81	84	31.3	36.6	53.0
2	62.1	61.5	62.0	61.9	19.1	23.5	19.7	20.8	23.6	15.6	14.58	15.50	15.16	15.08	88	92	88	83	39.0	46.4	49.5
3	61.5	60.3	59.7	60.5	18.4	25.1	19.4	21.0	26.2	16.4	13.47	10.71	13.78	12.65	85	45	82	71	39.8	47.6	51.1
4	58.4	58.2	60.9	59.2	18.9	24.1	20.0	21.0	25.0	17.2	14.08	17.18	14.19	15.15	87	77	81	82	39.4	47.2	50.0
5	62.7	63.9	64.7	63.8	19.3	21.1	18.3	19.6	21.8	17.2	11.90	10.84	10.64	11.13	71	57	68	65	37.0	45.8	52.5
6	65.7	66.1	67.1	66.3	17.8	21.5	17.7	19.0	21.8	16.2	9.41	8.54	8.93	8.96	62	45	58	55	37.8	46.2	49.7
7	66.7	66.2	66.9	66.6	17.8	21.4	17.8	19.0	22.6	15.7	9.63	9.79	8.74	9.39	63	52	57	57	36.6	44.8	49.2
8	65.5	64.6	64.6	64.9	19.0	21.9	18.8	19.9	23.1	16.5	10.78	9.78	12.05	10.87	66	50	75	64	37.2	45.4	49.5
9	63.4	63.3	64.1	63.6	18.8	20.9	17.1	18.9	22.1	16.3	12.79	11.69	11.35	11.94	79	64	78	74	35.8	43.4	51.0
10	63.8	63.7	63.8	63.8	17.7	22.0	18.3	19.3	23.0	16.0	10.29	11.94	13.23	11.82	68	61	84	71	33.3	37.0	51.3
1 inci onluk	63.2	63.0	63.6	63.3	18.6	22.3	18.6	19.9	23.3	16.5	12.17	12.21	12.16	12.18	76	61	75	71	36.7	44.0	50.7
11	62.7	62.4	62.3	62.5	18.7	22.1	16.1	19.9	22.3	14.8	12.26	11.73	11.94	11.98	76	59	87	74	37.6	45.8	51.0
12	61.4	60.2	60.0	60.5	15.8	23.2	16.2	18.4	23.6	13.8	11.70	13.40	13.74	12.95	87	63	100	83	38.1	46.4	50.2
13	59.6	58.9	58.5	59.0	16.3	21.6	16.5	18.1	22.7	14.6	12.24	12.48	12.70	12.47	88	65	91	81	36.9	45.2	48.5
14	58.2	57.8	58.6	58.2	18.1	23.0	17.3	19.5	24.3	16.0	12.33	12.58	13.09	12.67	80	60	89	76	38.0	46.2	55.7
15	58.7	57.7	58.7	58.4	19.0	22.6	18.4	20.0	25.0	15.8	13.87	14.88	14.38	14.38	84	73	91	83	31.8	37.0	52.5
16	60.6	61.0	61.8	61.1	18.5	26.1	20.7	21.8	27.4	16.8	14.32	14.29	12.11	13.57	90	56	67	71	40.0	48.0	51.2
17	62.5	62.2	62.2	62.3	19.1	24.7	18.7	20.8	27.2	17.8	14.27	13.15	14.20	13.87	87	57	88	77	39.4	46.4	52.5
18	61.7	59.6	59.2	60.2	17.0	24.1	18.5	19.9	25.6	15.7	13.55	14.64	13.86	14.02	94	66	87	82	38.8	47.0	52.0
19	58.9	58.8	59.7	59.1	19.0	25.4	19.7	21.4	28.5	18.2	13.87	16.59	15.64	15.37	84	68	92	81	39.8	47.6	52.0
20	60.4	61.0	62.1	61.2	19.4	24.8	19.2	21.1	27.6	18.2	12.58	16.08	15.77	14.81	75	69	95	80	39.5	47.6	51.8
2 inci onluk	60.5	60.0	60.3	60.3	18.1	23.8	18.1	20.0	25.4	16.2	13.10	13.98	13.74	13.61	85	64	89	79	38.0	45.8	51.7
21	62.4	61.7	61.2	61.8	19.6	22.8	18.9	20.4	23.7	18.3	15.22	14.12	14.85	14.73	89	68	91	83	37.6	45.9	49.8
22	59.8	58.0	58.5	58.8	18.6	24.9	19.5	21.0	26.3	17.6	15.02	14.84	14.34	14.73	94	63	85	81	39.2	47.0	51.3
23	59.3	58.9	57.4	58.5	18.5	23.0	18.1	19.9	23.4	17.3	15.55	12.27	11.31	13.04	98	58	73	76	37.8	45.4	51.5
24	53.2	52.2	55.0	53.5	21.9	17.7	17.1	18.9	27.6	16.3	12.92	15.10	13.64	13.89	66	100	94	87	19.7	20.8	53.0
25	55.3	56.4	59.9	57.2	16.9	15.5	14.9	15.8	18.6	14.1	11.05	10.77	9.92	10.58	76	82	79	79	25.4	30.4	32.8
26	64.8	66.3	57.3	65.1	11.5	15.8	11.1	12.8	15.9	9.4	5.95	5.86	6.07	5.96	59	43	61	54	27.0	36.8	46.4
27	66.8	64.1	63.1	64.7	10.1	19.0	12.2	13.8	20.3	8.4	6.55	8.03	7.40	7.33	71	49	70	63	33.8	42.2	48.5
28	59.1	57.7	56.6	57.8	13.8	14.5	12.1	13.5	17.8	11.5	7.53	9.77	14.42	9.24	64	80	99	81	16.6	18.0	21.5
29	58.3	60.7	63.2	60.7	13.0	16.4	13.3	14.2	16.4	12.3	10.53	9.70	10.87	10.37	94	69	95	86	22.6	26.2	30.2
30	62.3	60.6	60.8	61.2	13.7	17.1	14.1	15.0	18.8	12.4	9.60	9.70	8.47	9.26	82	67	70	73	20.0	22.0	38.5
3 inci onluk	60.1	59.7	60.3	60.0	15.8	18.7	15.1	16.5	20.9	13.8	10.99	11.02	10.73	10.91	79	68	82	76	58.0	33.5	42.4
Yıllık Ortalama	61.3	60.9	61.4	61.2	17.5	21.6	17.3	18.8	23.2	15.5	12.09	12.40	12.21	12.23	80	64	82	75	34.2	41.1	48.3

tembre 1939

Rüzgâr — Vent																	Bulut—Nuage	Yağmur Pluie mm.	den 7 ye	Kar Neige cm.	den 7 ye	Düşünceler			
Frekans — Fréquence							Süre — Durée [*]																		
N	NE	E	SE	S	SW	W	NW	N	NE	E	SE	S	SW	W	NW	Durum	Hız Vitesse m/s.								
2	1	—	—	—	—	1	—	60	23	—	—	—	—	2	—	15	4.8	4.3	—	—	—	—	—	—	—
2	3	1	—	—	—	—	—	42	31	27	—	—	—	—	—	—	3.9	2.0	—	—	—	—	—	—	—
2	4	2	—	—	—	—	—	9	81	4	—	—	—	—	—	6	3.7	0.0	—	—	—	—	—	—	—
1	—	—	—	—	—	—	—	100	—	—	—	—	—	—	—	—	5.4	2.3	—	—	—	—	—	—	—
1	1	—	—	—	—	—	—	10	90	—	—	—	—	—	—	—	6.8	2.7	—	—	—	—	—	—	—
—	1	—	—	—	—	—	—	—	100	—	—	—	—	—	—	—	4.5	1.0	—	—	—	—	—	—	—
2	—	1	—	—	—	—	—	98	—	2	—	—	—	—	—	—	5.1	0.0	—	—	—	—	—	—	—
—	1	—	—	—	—	—	—	—	100	—	—	—	—	—	—	—	5.5	0.0	—	—	—	—	—	—	—
—	1	—	—	—	—	—	—	—	100	—	—	—	—	—	—	—	7.4	5.0	—	—	—	—	—	—	—
4	4	—	—	—	—	—	—	20	80	—	—	—	—	—	—	—	4.2	8.3	—	—	—	—	—	—	—
14	16	4	—	—	—	1	—	34	61	3	—	—	—	—	—	2	5.1	2.6	—	—	—	—	—	—	—
1	3	3	1	—	—	—	—	29	14	43	4	—	—	—	—	10	3.9	4.0	—	—	—	—	—	—	—
1	3	3	—	—	—	—	—	27	19	50	—	—	—	—	—	4	3.1	0.0	—	—	—	—	—	—	—
1	2	1	—	—	—	—	—	25	71	4	—	—	—	—	—	—	3.6	0.3	—	—	—	—	—	—	—
—	1	—	—	—	—	—	1	—	94	—	—	—	—	—	2	4	2.9	2.7	—	—	—	—	—	—	—
2	2	1	—	1	—	—	1	27	34	4	—	2	—	—	8	25	3.0	3.7	—	—	—	—	—	—	—
—	1	2	2	—	1	—	—	13	15	8	—	33	—	—	31	—	2.1	0.0	—	—	—	—	—	—	—
2	4	3	—	—	—	—	—	34	30	32	—	—	—	—	4	—	3.3	0.0	—	—	—	—	—	—	—
2	3	3	—	—	—	—	—	30	12	29	—	—	—	—	29	—	3.0	2.3	—	—	—	—	—	—	—
2	1	—	1	1	—	—	1	25	42	—	8	5	—	—	1	19	2.7	1.7	—	—	—	—	—	—	—
2	2	—	—	—	1	1	1	26	65	—	—	—	6	1	2	—	3.2	4.3	—	—	—	—	—	—	—
13	22	16	4	2	2	1	4	22	39	18	2	1	4	—	1	13	3.1	1.9	—	—	—	—	—	—	—
2	2	1	1	—	—	—	1	28	61	4	2	—	—	—	1	4	4.4	4.3	—	—	—	—	—	—	—
5	5	1	—	—	—	—	1	2	35	21	1	—	—	11	9	23	2.8	2.0	—	—	—	—	—	—	—
1	1	1	1	2	1	—	—	25	4	29	7	27	6	—	—	2	3.4	2.0	—	—	—	—	—	—	—
2	1	—	—	1	2	—	—	73	15	—	—	2	10	—	—	—	5.1	10.0	7.0	—	—	—	—	—	—
3	—	—	—	—	—	—	2	83	—	—	—	—	—	—	17	—	6.0	9.3	10.5	—	—	—	—	—	—
2	2	2	—	—	—	—	1	29	21	10	—	—	—	—	2	38	6.5	3.7	—	—	—	—	—	—	—
1	1	3	2	—	1	1	1	6	7	67	10	—	2	3	1	4	2.9	3.0	—	—	—	—	—	—	—
4	4	1	—	—	—	—	—	48	47	5	—	—	—	—	—	—	4.4	10.0	45.8	—	—	—	—	—	—
3	4	3	—	—	—	—	1	44	12	36	—	—	—	—	2	6	8.8	9.7	1.0	—	—	—	—	—	—
—	1	4	3	1	—	—	—	—	2	24	31	2	—	—	—	41	3.7	8.7	—	—	—	—	—	—	—
23	21	16	7	4	4	2	8	37	19	18	5	3	2	1	3	12	4.8	6.3	64.3	—	—	—	—	—	—
50	59	36	11	6	6	4	12	—	—	—	—	—	—	—	—	—	—	—	64.3	—	—	—	—	—	—
31	39	13	2	1	2	1	2	9	—	—	—	—	—	—	—	—	4.3	3.6	—	—	—	—	—	—	—

[*] Bir gün zarfında her hangi bir yönden esen rüzgârın devam müddetinin gün müddetine nisbetinin yüzdesi. —
 Pourcentage de la proportion de la durée de chaque direction du vent à 24 h.

S A A T — H E U R E

Ortalama
 Moven

Gün Jour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Ortalama Moven
1	60.1	59.7	59.2	59.0	58.9	58.7	58.9	58.9	58.9	58.9	58.7	58.2	57.8	57.7	57.4	57.2	58.1	58.0	58.4	58.9	58.7	58.4	58.5	58.5	58.6
2	58.5	58.3	58.2	58.3	58.4	58.6	58.9	59.2	59.3	59.4	59.2	59.1	58.9	58.8	58.9	59.0	59.1	59.2	59.3	59.4	59.8	59.9	60.0	60.1	59.1
3	60.1	60.0	60.0	60.1	60.1	60.2	60.3	60.7	60.8	60.8	60.8	60.7	60.5	60.4	60.5	60.2	60.0	60.2	60.3	60.6	60.9	60.6	60.5	60.5	60.4
4	60.4	60.2	59.9	59.7	59.7	59.7	59.6	59.9	60.0	59.9	59.9	59.9	59.9	59.8	59.8	59.4	59.4	59.4	59.3	59.4	59.6	59.5	59.5	59.5	59.7
5	59.2	59.1	59.2	59.4	59.5	59.7	60.0	60.4	60.8	60.7	60.5	60.7	60.2	59.8	60.2	60.1	60.1	60.1	60.2	60.5	60.6	61.1	61.2	60.8	60.2
6	60.7	60.7	60.7	60.6	60.5	60.5	60.5	60.5	60.6	60.9	60.8	60.8	60.9	61.0	60.9	60.9	61.1	61.2	61.3	61.4	61.4	61.4	61.3	60.9	60.9
7	60.8	60.6	60.3	60.2	60.1	60.0	59.9	60.0	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.3	60.3	60.3	60.3	60.4	60.7	60.6	60.6	60.6	60.4
8	60.6	60.5	60.4	60.4	60.5	60.6	60.7	61.0	61.0	61.0	61.0	61.0	61.0	60.6	60.6	60.8	61.0	61.3	61.4	61.5	61.8	61.9	61.9	61.9	61.0
9	61.9	61.9	61.8	61.9	62.1	62.3	62.4	62.6	62.7	62.7	62.7	62.4	62.3	62.0	62.0	62.0	62.0	62.3	62.5	62.6	62.8	62.8	62.8	62.8	62.3
10	62.7	62.6	62.5	62.4	62.5	62.5	62.8	62.9	63.0	63.0	62.7	62.2	61.8	61.5	61.3	61.2	60.9	60.9	60.9	60.8	61.2	61.2	61.0	60.7	61.9
1 inci onluk	605.0	603.6	602.2	602.0	602.3	602.9	604.0	606.1	607.2	607.6	606.4	605.3	603.5	602.0	602.0	601.1	602.0	603.0	604.2	605.6	608.0	607.5	606.9	605.9	60.4
11	60.2	59.9	59.5	59.4	59.3	59.5	59.9	60.0	60.0	59.9	60.0	59.7	59.3	59.1	58.9	58.7	58.5	58.7	59.1	59.4	59.7	59.5	59.5	59.6	59.5
12	59.7	59.6	59.5	59.6	59.9	60.3	60.4	60.5	60.8	61.0	61.2	61.0	60.8	60.6	60.5	60.4	60.3	60.5	60.6	60.6	60.6	60.5	60.4	60.2	60.4
13	60.0	59.7	59.5	59.5	59.6	59.6	59.8	59.8	59.8	59.8	59.7	59.6	59.4	59.3	59.2	59.2	59.1	59.5	59.8	60.3	61.0	61.1	60.7	60.9	59.8
14	61.0	60.9	60.8	61.0	61.1	61.2	61.4	61.7	61.7	61.8	61.8	61.9	61.9	61.8	62.0	62.0	62.1	62.2	62.5	62.7	62.9	63.1	63.0	62.9	61.9
15	62.7	62.6	62.3	62.3	62.3	62.5	62.7	62.7	62.6	62.6	62.6	62.6	61.9	61.5	61.2	61.1	61.0	61.0	60.9	60.8	60.8	60.7	60.6	60.4	61.8
16	60.3	60.2	60.1	59.9	59.8	59.9	60.0	60.1	60.2	60.2	60.1	59.9	59.6	59.4	59.4	59.4	59.3	59.3	59.3	59.4	59.5	59.6	59.3	59.3	59.7
17	59.4	59.3	59.3	59.3	59.4	59.5	59.7	60.0	60.1	60.1	60.0	59.6	59.0	59.1	59.3	59.4	59.6	59.6	59.8	59.9	60.0	60.2	60.2	60.3	59.7
18	60.2	60.1	60.0	60.1	60.1	60.2	60.4	60.4	60.4	60.6	60.8	60.0	60.1	60.1	59.8	59.8	59.6	59.6	59.6	59.8	59.9	60.0	60.2	60.3	60.1
19	60.2	60.0	59.8	59.8	59.4	59.5	59.7	59.7	59.7	59.8	59.9	59.7	59.4	59.1	58.9	58.7	58.4	58.4	58.5	58.8	58.9	58.8	58.6	59.3	59.3
20	58.4	58.2	58.1	58.0	58.1	58.2	58.3	58.5	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.2	59.3	59.3	59.5	59.9	60.2	60.3	60.3	60.4	59.0
2 inci onluk	602.1	600.5	598.9	598.9	599.0	600.4	602.3	603.4	604.0	604.6	605.0	603.1	600.4	599.0	598.2	597.9	597.2	598.3	599.7	601.5	603.8	604.0	603.0	602.9	60.1
21	60.8	60.7	60.6	60.5	60.7	60.8	60.9	60.9	60.9	60.7	60.5	60.4	60.3	60.2	60.2	60.0	59.8	59.5	59.2	59.4	59.5	59.7	59.8	59.9	60.3
22	59.9	59.7	59.4	59.2	59.2	59.2	59.2	59.3	59.3	59.1	59.0	58.7	58.5	58.4	58.4	58.4	58.4	58.6	58.8	58.6	58.4	58.5	58.7	58.4	58.9
23	58.3	58.1	58.1	58.3	58.6	58.6	58.6	58.7	58.9	58.7	58.4	58.4	58.0	57.7	57.7	57.6	57.5	57.4	57.4	57.9	58.4	58.5	58.4	58.4	58.9
24	57.7	57.7	57.5	57.4	57.4	57.5	57.5	57.5	57.4	57.3	57.0	56.7	56.5	56.3	56.2	56.1	56.0	55.9	55.8	55.8	55.7	55.7	55.0	55.0	56.6
25	54.7	54.5	54.3	54.4	54.4	54.3	54.7	54.9	55.1	55.3	55.4	55.4	55.3	54.8	54.8	54.8	54.7	54.6	54.8	55.1	55.3	55.3	55.3	55.1	54.9
26	54.9	54.6	54.5	54.5	54.5	54.6	55.0	55.0	55.0	54.8	54.7	54.5	54.0	53.4	53.1	53.3	53.6	54.0	54.9	55.3	55.8	56.0	56.4	56.6	54.8
27	56.7	56.8	56.8	56.9	57.2	57.4	57.6	57.6	57.5	57.5	57.4	57.1	56.8	56.5	56.3	56.3	56.1	56.2	56.5	56.5	56.7	56.8	56.8	56.9	58.9
28	56.7	56.5	56.4	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.0	55.4	55.2	55.1	55.1	55.1	55.0	55.0	55.0	55.2	55.8	55.9	56.0	55.8	55.8
29	56.0	55.8	55.8	55.9	55.9	56.0	56.2	56.3	56.3	56.4	56.5	56.5	56.6	56.8	56.8	56.8	57.4	57.7	58.1	58.3	58.5	59.0	59.4	59.5	57.1
30	59.7	59.7	59.7	59.7	59.8	60.1	60.4	60.7	61.0	61.2	61.3	61.3	61.3	61.2	61.3	61.6	61.7	62.2	62.5	62.8	63.1	63.1	63.2	63.4	61.3
31	63.4	63.3	63.3	63.3	63.6	63.8	64.0	64.1	64.2	64.3	64.4	64.2	63.8	63.6	63.6	63.5	63.5	63.6	63.6	63.8	64.1	64.2	64.1	64.0	63.8
3 inci onluk	638.8	637.4	636.4	636.3	637.5	638.7	640.3	641.2	641.8	641.5	640.6	639.6	636.3	634.0	633.5	633.9	633.8	634.7	636.9	638.9	641.6	642.6	643.0	642.6	58.0

Gün Jour	S A A T — H E U R E																								Ortalama Moyen	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	63.8	63.5	63.3	63.1	63.1	63.3	63.5	63.6	63.6	63.6	63.3	63.0	62.7	62.3	62.0	62.0	62.0	62.0	62.0	62.0	61.9	61.4	61.2	61.2	627	61.2
2	60.9	60.5	60.3	60.3	60.3	60.3	60.5	60.5	60.2	59.8	59.5	59.3	59.1	58.8	58.6	58.4	58.3	58.4	58.5	58.6	58.7	58.8	58.8	58.8	594	58.8
3	58.4	58.1	58.0	58.2	58.3	58.3	58.4	58.6	58.6	58.6	58.6	58.2	57.9	57.8	57.7	57.3	57.4	57.4	57.6	57.9	58.2	58.4	58.7	58.6	58.1	58.6
4	58.6	58.4	58.3	58.5	58.7	58.9	59.4	59.5	59.6	59.6	59.4	59.2	59.1	58.9	58.8	58.8	58.7	58.9	59.2	59.6	59.8	59.8	59.7	59.1	59.1	59.7
5	59.5	59.4	59.4	59.4	59.6	59.6	59.9	60.0	60.3	60.4	60.3	60.0	59.8	59.3	59.1	59.1	59.1	59.4	59.6	59.7	59.9	60.1	60.0	59.7	59.7	59.7
6	59.7	59.4	59.1	59.0	59.4	59.6	59.6	59.7	59.6	59.4	59.4	59.1	59.0	58.9	58.7	58.5	58.5	58.5	58.6	58.9	59.2	59.3	59.0	59.0	59.1	59.1
7	58.9	58.6	58.5	58.4	58.4	58.7	59.0	59.2	59.2	59.2	58.9	58.5	58.2	57.8	57.7	57.5	57.3	57.2	57.2	57.2	57.2	57.2	57.2	57.0	58.1	58.1
8	56.7	56.6	56.5	56.8	57.2	57.0	57.3	57.6	57.6	57.6	57.5	57.3	57.1	57.1	57.1	57.1	57.1	57.1	57.0	57.4	57.8	57.7	57.5	57.4	57.2	57.4
9	57.1	57.0	56.9	56.6	56.4	56.7	56.7	56.8	56.9	57.0	57.0	57.0	56.9	56.1	56.0	55.8	56.0	56.4	56.7	57.3	57.8	57.5	57.7	57.7	56.9	56.9
10	58.0	58.2	58.2	58.3	58.6	58.7	58.8	58.9	59.5	59.6	59.7	59.1	59.0	58.8	58.5	58.3	58.1	58.1	58.4	58.8	59.1	59.2	59.0	58.7	58.7	58.7
11inci onluk	591.6	589.7	588.5	588.4	589.9	591.1	593.1	594.4	595.1	594.8	593.3	590.6	588.9	585.7	583.8	582.8	582.4	583.5	584.8	587.4	589.9	589.9	589.1	588.4	58.9	58.9
11	58.6	58.6	58.6	58.5	58.6	58.8	59.3	59.3	59.3	59.7	59.8	59.8	60.0	59.3	59.3	59.3	59.1	59.1	59.0	59.2	59.2	59.3	58.8	58.6	59.1	59.1
12	58.4	58.4	58.2	57.9	57.8	57.8	57.9	57.7	57.7	57.7	57.5	57.2	57.1	57.2	57.0	57.0	56.9	56.8	57.0	57.3	57.3	57.3	57.0	57.0	57.5	57.5
13	56.7	56.6	56.5	56.4	56.8	57.1	57.5	57.8	58.0	58.4	58.4	58.6	58.6	58.6	58.9	59.0	59.2	59.3	59.7	60.0	60.5	61.0	61.0	61.0	58.7	58.7
14	61.1	61.0	61.0	61.1	61.2	61.0	61.2	61.5	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.9	62.1	62.4	63.0	63.2	63.0	62.9	62.8	61.9	61.9
15	62.7	62.6	62.4	62.0	61.9	61.9	61.8	61.8	61.8	61.8	61.8	61.6	61.4	61.2	61.0	60.8	60.5	60.5	60.6	60.7	60.8	60.7	60.5	60.0	61.4	61.4
16	59.4	59.2	59.0	58.8	58.7	58.6	58.5	58.5	58.5	58.4	58.4	58.1	57.9	57.8	57.5	57.2	57.0	57.0	57.0	57.1	57.1	57.1	57.0	56.9	57.9	57.9
17	56.7	56.6	56.4	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.0	56.1	56.1	56.2	56.3	56.4	56.5	56.6	57.0	57.1	57.2	57.1	57.1	56.4	56.4
18	57.1	57.1	57.0	56.9	57.0	57.2	57.4	57.5	57.6	57.6	57.5	57.4	57.2	56.8	56.8	56.8	56.6	56.6	57.0	57.3	57.2	56.8	56.8	57.2	57.1	57.1
19	57.0	56.5	56.0	55.7	55.8	55.9	56.1	56.1	56.3	56.3	56.0	56.1	56.0	55.5	55.5	55.5	55.4	55.3	55.5	55.7	55.9	55.8	55.8	55.6	55.9	55.9
20	55.4	55.3	55.1	55.0	55.0	55.1	55.3	55.4	55.6	55.6	55.8	55.5	55.5	55.2	55.1	55.0	54.4	54.3	54.5	54.7	54.9	54.9	55.3	55.3	55.1	55.1
21inci onluk	583.1	581.9	580.2	578.4	578.9	579.5	581.1	581.8	572.6	583.4	583.1	582.0	581.6	579.8	579.2	578.9	577.5	577.9	579.6	582.6	583.8	582.6	582.2	581.5	58.1	58.1
21	55.0	54.8	54.8	54.7	54.5	54.7	54.8	54.8	55.0	55.1	54.8	54.4	54.5	54.5	54.5	54.8	54.6	54.6	55.0	55.5	55.4	55.4	55.3	55.3	54.9	54.9
22	55.5	55.5	55.4	55.1	55.2	55.7	55.9	56.0	56.2	56.1	56.1	56.3	56.2	56.0	55.9	55.9	55.9	56.0	56.8	57.2	57.3	57.3	57.3	57.3	56.2	56.2
23	57.4	57.2	57.0	57.2	57.7	57.8	58.0	58.2	58.6	58.5	58.6	58.7	58.8	58.9	58.9	59.1	59.1	59.3	59.6	59.6	59.7	59.7	59.5	59.5	58.6	58.6
24	59.5	59.5	59.6	59.8	60.0	60.3	60.8	61.0	61.5	61.5	61.5	61.4	61.5	61.5	61.8	62.3	62.7	62.8	62.9	63.1	63.2	63.4	63.4	71.5	71.5	71.5
25	63.2	63.0	63.0	63.0	63.2	63.2	63.2	63.4	63.5	63.6	63.4	63.2	62.9	62.2	61.9	61.7	61.3	61.6	61.6	61.7	61.8	61.7	61.5	61.5	62.5	62.5
26	61.2	61.0	60.5	60.3	60.3	60.3	60.3	60.4	60.4	60.2	60.0	59.6	59.1	58.7	58.4	58.4	58.2	58.0	58.2	58.2	58.0	57.8	57.7	57.7	59.3	59.3
27	57.6	57.3	57.2	56.9	56.8	56.7	56.7	56.8	56.9	57.0	56.8	56.6	56.8	56.7	56.5	56.4	56.5	56.4	56.6	56.9	57.0	57.0	56.8	56.8	56.8	56.8
28	56.8	56.7	56.4	56.1	56.1	56.3	56.5	56.5	56.5	56.6	56.7	56.6	56.1	56.1	56.1	56.1	55.8	55.7	56.5	57.1	57.7	57.8	58.0	58.1	56.6	56.6
29	58.0	58.0	57.9	57.7	57.4	57.3	57.2	57.6	57.8	57.9	58.2	58.6	58.7	58.9	58.9	58.8	58.9	59.0	59.1	59.4	59.5	59.7	59.7	59.6	58.5	58.5
30	59.2	59.0	58.9	58.8	58.8	58.9	59.0	59.3	59.9	60.0	60.1	60.3	60.2	60.1	60.0	60.1	60.0	59.9	60.2	60.4	60.4	60.4	60.4	60.4	59.8	59.8
31	60.1	60.0	59.7	59.6	59.6	60.2	60.7	60.8	60.9	61.1	61.3	61.2	61.1	61.1	61.0	61.0	61.0	61.2	61.6	61.8	61.9	61.9	61.9	61.8	60.9	60.9
32inci onluk	643.5	642.0	640.4	639.2	636.6	641.4	643.1	644.8	647.2	647.6	647.5	646.9	645.9	644.6	644.4	644.1	643.6	644.9	648.0	650.7	652.0	652.1	651.6	651.8	58.7	58.7
Ortalama	58.7	58.5	58.4	58.3	58.3	58.5	58.6	58.7	58.9	58.9	58.8	58.7	58.6	58.4	58.3	58.3	58.2	58.3	58.5	58.7	58.9	58.9	58.8	58.8	58.6	58.6

700 mm. +

SAAT — HEURE

Gün Jour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Ortalama Moyen
1	61.6	61.4	61.3	61.2	61.2	61.5	61.9	62.0	62.3	62.6	62.4	62.1	62.0	61.7	61.7	61.6	61.7	61.8	61.8	62.1	62.3	62.3	62.2	62.3	61.9
2	62.2	62.1	61.9	61.9	61.9	61.9	62.1	62.2	62.3	62.3	62.3	62.3	61.9	61.7	61.5	61.4	61.3	61.1	61.8	61.9	62.0	62.0	61.9	61.8	61.9
3	61.7	61.6	61.2	61.0	61.0	61.2	61.5	61.6	61.7	61.7	61.5	61.2	60.9	60.3	60.2	59.9	59.7	59.5	59.5	59.6	59.7	59.4	59.1	58.9	60.6
4	58.6	58.3	58.1	58.0	58.0	58.0	58.4	58.6	58.6	58.7	58.7	58.7	58.1	58.2	58.3	58.5	58.7	59.4	59.6	60.4	60.9	61.0	61.0	61.1	59.0
5	61.2	61.4	61.6	61.7	61.9	62.3	62.7	63.0	63.5	63.6	63.7	63.7	63.9	63.9	63.9	64.0	64.2	64.5	64.6	64.6	64.7	64.9	64.9	64.9	63.5
6	64.9	65.0	65.0	65.0	65.0	65.3	65.7	65.8	65.9	66.0	66.0	66.0	66.2	66.1	66.1	66.0	66.0	66.0	66.7	66.9	67.1	67.1	67.0	66.8	66.0
7	66.8	66.6	66.4	66.2	66.2	66.5	66.7	66.8	66.9	67.0	66.9	66.8	66.6	66.2	66.2	66.2	66.2	66.1	66.7	67.0	66.9	66.7	66.6	66.5	66.6
8	66.2	65.9	65.6	65.4	65.4	65.4	65.5	65.6	65.7	65.7	65.4	65.2	64.9	64.6	64.5	64.2	64.2	64.1	64.4	64.4	64.4	64.2	64.2	64.0	65.0
9	63.8	63.5	63.1	63.0	63.2	63.4	63.4	63.5	63.8	63.9	63.8	63.5	63.3	63.3	63.2	63.1	63.1	63.3	63.5	63.5	63.7	63.8	63.8	63.5	63.6
10	63.3	63.7	63.5	63.4	63.4	63.3	63.4	63.9	64.0	64.1	64.1	63.8	63.7	63.7	63.3	63.1	63.2	63.3	63.5	63.7	63.8	63.8	63.8	63.5	63.6
11inci onluk	630.8	629.5	627.7	626.8	627.2	629.0	631.7	633.0	634.7	635.6	634.8	632.7	631.6	629.5	628.8	627.9	628.2	629.4	631.9	634.6	636.1	636.0	634.8	633.8	63.2
11	63.3	63.2	62.8	62.6	62.5	62.6	62.7	62.9	63.0	63.0	63.1	62.9	62.7	62.4	62.1	61.8	61.7	61.7	61.7	62.0	62.3	62.2	62.1	62.1	62.5
12	61.8	61.4	61.2	61.1	61.1	61.2	61.4	61.5	61.6	61.4	61.2	61.0	60.8	60.2	60.2	60.0	59.8	59.6	59.8	60.0	60.0	60.0	59.7	59.5	60.7
13	59.4	59.3	59.3	59.3	59.3	59.4	59.6	59.7	59.9	60.0	59.8	59.5	59.2	58.9	58.8	58.7	58.6	58.5	58.5	58.5	58.5	58.5	58.4	58.3	59.1
14	58.2	58.1	58.0	58.0	58.1	58.1	58.2	58.3	58.7	58.7	58.7	58.7	58.3	57.8	57.7	57.6	57.6	57.6	57.9	58.2	58.6	58.8	58.7	58.8	58.2
15	58.7	58.6	58.3	58.3	58.6	58.7	58.7	58.9	59.0	58.9	58.7	58.1	57.9	57.7	57.7	57.7	57.7	57.8	58.0	58.5	58.7	58.8	58.8	58.9	58.4
16	59.0	59.0	59.0	59.3	59.8	60.1	60.6	61.0	61.2	61.6	61.7	61.5	61.2	61.0	61.0	61.0	61.0	61.0	61.4	61.6	61.8	61.9	62.0	62.0	60.9
17	62.0	61.9	61.9	61.9	62.1	62.3	62.5	62.8	63.1	63.1	62.9	62.8	62.3	62.2	62.1	62.0	61.9	62.0	62.3	62.4	62.2	62.4	62.2	62.1	62.3
18	62.0	62.0	61.7	61.4	61.2	61.4	61.7	61.7	61.8	61.3	61.0	60.5	60.1	59.6	59.4	59.1	58.5	58.5	58.6	59.0	59.2	59.1	58.9	58.6	60.3
19	58.5	58.4	58.3	58.3	58.3	58.5	58.9	59.1	59.2	59.3	59.4	59.1	58.9	58.8	58.7	58.7	58.9	59.1	59.5	59.7	59.7	59.9	59.9	59.7	59.0
20	59.7	59.5	59.4	59.5	59.8	60.0	60.4	60.6	60.8	61.0	61.1	61.3	61.1	61.0	61.0	61.0	61.0	61.0	61.4	61.9	62.1	62.2	62.2	62.1	60.9
21inci onluk	602.6	601.4	599.9	599.9	600.8	602.3	604.7	606.5	608.4	608.3	607.6	605.4	602.5	599.6	598.7	597.6	596.7	596.8	599.1	601.8	603.1	603.8	602.9	602.1	60.2
21	62.1	62.0	62.1	62.1	62.1	62.2	62.4	62.7	63.0	63.0	62.7	62.2	62.0	61.7	61.6	61.5	61.3	61.0	61.0	61.6	61.2	61.2	60.8	60.5	61.8
22	60.2	60.1	59.9	59.8	59.8	59.8	59.8	59.8	60.0	60.0	59.7	59.3	58.6	58.0	57.7	57.5	57.4	57.3	57.9	59.0	58.5	58.7	58.9	58.9	59.0
23	59.0	58.9	58.9	58.8	58.9	59.0	59.1	59.2	59.8	60.1	60.1	59.9	59.3	58.7	58.7	58.6	58.1	57.7	57.4	57.4	57.4	56.6	55.9	55.5	58.5
24	54.8	54.2	53.6	53.1	53.0	53.1	53.2	52.4	52.5	52.1	51.6	51.5	51.3	52.2	52.2	52.6	53.0	53.3	54.3	54.8	55.0	55.1	55.1	55.0	58.5
25	55.1	55.3	55.2	55.1	55.0	55.2	55.3	55.9	56.0	56.0	56.1	56.5	56.6	56.4	56.9	57.1	57.9	58.1	58.9	59.3	59.9	60.3	60.8	61.2	57.1
26	61.5	62.0	62.4	62.9	63.6	64.1	64.8	65.0	65.7	66.3	66.4	66.5	66.4	66.3	66.3	66.3	66.4	66.6	66.8	67.1	67.3	67.3	67.3	67.2	65.5
27	67.0	66.8	66.6	66.5	66.4	66.4	66.8	66.9	66.9	66.1	65.4	65.0	64.8	64.1	63.7	63.3	63.3	63.2	63.1	63.2	63.1	63.0	62.3	62.0	64.8
28	61.7	61.1	60.5	60.1	59.9	59.3	59.1	58.5	58.2	58.1	58.0	58.3	58.4	57.7	57.2	56.8	56.6	56.7	56.6	56.2	56.6	56.2	56.2	56.0	58.1
29	56.3	56.7	56.0	56.2	57.5	58.0	58.3	59.3	60.0	60.4	60.6	60.8	60.8	60.7	60.9	61.2	61.8	61.9	62.3	63.1	63.2	63.3	63.1	63.0	61.2
30	62.6	62.5	62.3	62.2	62.0	62.1	62.3	62.5	62.5	62.1	61.8	61.5	61.1	60.6	60.5	60.4	60.4	60.5	60.6	60.7	60.8	60.8	60.5	60.4	61.4
30üncü onluk	600.3	599.6	597.5	596.8	598.2	599.2	601.3	602.8	604.9	604.2	602.4	601.5	599.8	596.6	595.7	595.1	596.2	596.3	598.9	602.0	603.0	602.5	600.9	599.7	60.0

S A A T — H E U R E

Ortalama
Moyet

S A A T — H E U R E																								
Gün Jour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	21.3	21.7	22.0	22.4	22.5	22.8	23.6	24.3	25.0	25.9	26.0	26.8	26.7	26.7	26.9	26.2	25.5	24.5	23.3	22.4	21.9	21.6	21.7	21.3
2	21.4	21.2	21.0	20.8	20.8	21.4	22.5	23.8	24.5	25.5	26.2	26.6	26.6	26.7	27.0	26.0	26.5	25.7	24.5	23.8	22.0	21.6	21.5	21.4
3	21.3	21.0	20.8	20.9	20.6	20.6	22.4	23.4	24.5	25.2	25.7	25.8	25.8	25.8	26.2	25.9	25.9	25.6	24.6	23.0	21.9	21.9	21.4	21.3
4	20.7	20.9	20.4	20.4	20.8	21.6	23.5	25.7	27.5	28.2	27.5	26.3	26.0	26.1	25.6	25.4	25.6	25.4	23.6	22.0	22.4	22.1	22.1	22.0
5	22.3	22.3	20.7	20.3	19.0	19.4	17.5	18.0	18.3	18.6	19.4	21.4	22.0	22.0	21.9	21.9	22.6	22.2	20.9	20.4	19.3	16.9	18.2	20.2
6	18.1	18.2	18.9	19.0	19.3	19.3	20.2	20.4	20.6	22.0	22.5	22.3	22.3	23.0	22.9	22.2	22.8	21.5	20.5	20.3	20.2	20.2	19.9	19.5
7	19.4	19.2	19.1	18.8	19.0	20.4	21.2	22.2	22.7	23.1	24.2	24.5	24.1	24.0	24.3	24.2	25.6	23.3	21.5	20.2	19.7	19.5	19.3	19.2
8	19.0	19.0	19.1	18.9	18.8	19.4	20.3	21.6	22.7	23.8	23.6	24.5	24.9	25.1	25.9	26.0	25.6	24.5	23.0	20.8	19.9	19.4	19.1	19.3
9	18.9	18.5	18.0	18.0	18.2	19.1	20.8	22.6	22.7	25.4	25.5	26.2	25.3	25.3	25.6	25.3	24.8	24.3	23.2	20.7	19.6	18.6	19.1	18.2
10	17.6	18.1	18.2	18.9	17.8	18.9	21.1	23.0	25.0	26.0	28.0	28.2	28.1	28.5	28.2	28.3	28.4	27.2	25.0	22.2	20.3	20.4	19.6	20.0
1 inci onluk	200.0	200.1	198.2	198.4	196.8	202.9	213.1	225.0	233.5	243.7	248.6	252.6	252.6	253.7	254.5	251.4	249.2	242.4	229.4	214.6	207.7	202.5	202.5	200.4
11	20.3	20.4	19.5	18.4	19.3	19.5	21.3	22.5	24.0	26.2	25.4	26.6	26.4	26.1	26.6	25.5	25.1	24.8	23.4	21.3	20.4	20.2	20.0	19.6
12	19.8	19.9	19.7	19.7	19.2	20.7	22.4	22.5	23.2	24.7	24.4	24.1	25.3	25.3	24.8	23.9	23.6	23.3	22.0	21.3	20.4	20.2	20.1	21.2
13	21.0	20.6	20.5	20.5	20.3	21.1	21.8	23.0	23.4	25.5	25.7	26.8	27.3	27.3	25.9	25.0	24.5	23.3	22.0	21.2	20.9	20.3	20.3	20.0
14	19.4	19.3	19.3	19.2	18.5	19.4	21.5	22.6	22.8	22.7	23.5	23.5	24.0	23.8	22.4	23.4	23.2	22.3	21.5	20.1	19.9	18.9	18.6	18.0
15	17.9	17.8	17.7	17.9	18.4	18.4	20.8	22.3	23.5	24.2	24.6	25.0	25.2	24.9	25.0	24.9	24.0	23.3	22.3	20.3	20.3	19.6	18.7	18.2
16	16.7	16.5	16.9	16.7	15.8	16.9	20.3	21.8	24.1	25.3	26.1	27.2	27.9	27.9	27.7	26.9	26.7	26.3	25.1	23.2	21.5	20.8	20.1	21.4
17	20.9	20.3	20.1	20.0	20.5	21.6	22.8	25.2	25.6	26.0	27.6	28.0	30.7	30.7	30.3	30.0	29.1	27.8	26.3	24.6	23.5	22.6	22.2	21.9
18	22.0	21.8	22.0	20.4	21.9	22.5	25.0	26.9	26.0	28.6	29.7	30.7	32.6	31.0	31.6	31.0	32.0	30.2	28.7	27.7	26.3	25.6	26.1	27.1
19	25.3	24.5	23.6	22.9	22.4	22.5	24.4	26.0	27.4	28.7	29.2	30.2	31.5	32.7	33.6	33.7	33.4	31.2	28.4	27.0	26.4	25.7	25.6	27.9
20	25.6	25.5	25.0	24.4	24.5	22.5	26.4	26.8	28.0	28.8	28.4	29.9	30.2	30.4	30.0	28.7	28.2	28.3	27.2	24.5	23.9	23.2	22.5	23.3
2 inci onluk	208.9	206.6	204.3	200.1	200.8	205.1	226.7	239.6	248.0	260.7	264.6	272.3	281.1	278.5	279.5	273.9	270.1	262.7	250.0	233.1	225.2	219.8	214.8	215.3
21	22.5	22.5	22.8	21.8	21.7	22.3	24.5	27.8	28.4	27.0	28.2	29.0	30.5	30.5	29.9	29.5	29.7	30.0	28.4	26.4	25.9	25.0	24.5	24.5
22	23.6	24.4	24.0	23.2	23.1	24.0	25.8	29.2	28.5	30.6	33.4	34.0	33.5	30.9	30.9	30.5	30.4	27.9	26.2	24.6	23.9	23.6	22.8	22.7
23	22.7	22.3	22.0	22.0	21.9	22.1	23.9	26.7	28.0	30.2	31.4	32.2	33.2	31.7	30.5	30.0	29.3	28.0	25.2	23.3	21.7	21.6	21.1	21.3
24	21.2	20.9	20.4	20.3	20.5	21.5	23.8	26.5	27.5	29.5	28.9	29.8	29.4	29.0	29.3	30.0	29.5	28.7	26.3	24.4	23.1	22.9	22.9	23.3
25	23.0	22.6	22.4	22.3	23.4	24.3	25.4	27.2	27.7	29.4	31.0	32.9	33.7	30.9	28.9	28.3	27.8	27.7	26.3	24.2	23.2	23.1	23.5	23.5
26	23.2	23.0	22.7	22.1	22.0	22.5	24.8	26.2	27.5	28.6	29.2	32.8	33.4	31.0	29.2	27.7	26.8	25.6	24.4	23.7	23.7	23.5	23.5	23.2
27	23.0	22.5	21.9	22.4	22.5	23.0	24.3	25.0	26.2	26.6	27.4	28.0	27.6	27.4	27.5	28.8	29.1	27.1	25.6	23.6	22.6	22.6	22.6	22.6
28	21.4	21.0	21.8	22.4	19.8	20.9	22.7	23.8	25.6	27.7	27.7	27.7	27.7	27.5	28.9	29.7	29.5	25.7	24.0	22.2	21.3	20.6	20.4	19.8
29	20.3	20.2	19.5	19.9	20.6	21.5	23.3	24.8	26.2	27.0	27.5	27.4	26.0	26.7	26.0	25.1	24.7	24.0	22.8	21.8	21.7	21.7	21.7	21.0
30	21.1	21.5	21.5	21.3	21.4	22.3	22.3	22.3	23.6	26.3	26.4	27.4	26.0	26.0	25.4	25.6	25.0	24.5	24.3	23.0	22.5	22.1	22.3	21.6
31	20.9	20.8	20.7	21.0	20.6	21.5	23.1	24.6	25.3	25.8	26.8	26.6	27.1	27.1	26.9	26.2	25.7	24.9	24.0	22.8	22.5	22.1	21.8	21.8
3 inci onluk	242.9	241.6	239.7	238.7	237.5	245.9	263.9	284.1	294.5	307.6	317.9	321.4	325.1	320.2	313.6	308.8	305.0	294.2	276.2	259.5	251.7	249.3	246.4	243.4
Ortalama	210	20.9	20.7	20.6	20.5	21.1	22.7	24.2	25.0	26.2	26.8	27.3	27.7	27.5	27.3	26.9	26.6	25.8	24.4	22.8	22.1	21.7	21.4	21.3

Gün Jour		S A A T — H E L S E																							Ortalama Moyen
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
1	21.6	21.5	21.2	20.8	20.7	21.0	23.1	21.0	26.3	26.3	27.8	28.0	27.7	27.3	27.7	27.2	26.2	25.3	25.8	22.4	21.9	21.5	20.7	20.6	24.1
2	20.5	20.5	20.5	20.5	20.0	21.0	22.9	25.0	25.9	26.2	26.9	27.0	27.3	27.3	27.2	26.5	25.7	25.0	24.3	22.8	22.5	22.6	22.3	22.1	23.9
3	21.6	21.2	20.6	20.7	20.0	21.9	23.5	25.6	27.1	28.7	29.0	29.0	28.8	28.5	28.8	28.8	27.7	26.5	25.0	23.0	22.8	22.3	21.9	21.9	24.8
4	21.8	21.7	21.6	21.8	21.0	21.0	23.5	24.0	25.1	26.8	28.5	28.5	28.5	28.6	28.2	29.0	28.1	27.0	25.1	23.3	23.3	22.3	21.9	21.5	24.7
5	21.8	21.4	21.3	21.3	21.3	21.8	23.6	25.0	26.0	28.0	28.9	29.5	31.1	29.3	29.0	29.3	27.4	25.6	23.8	22.6	22.2	22.1	21.9	21.5	24.9
6	21.7	21.5	20.5	21.5	20.0	21.5	22.7	21.7	26.3	28.2	28.7	28.7	28.3	28.1	28.0	27.7	27.2	26.7	25.7	23.6	22.6	22.1	21.7	21.0	24.5
7	21.3	20.6	20.6	20.5	20.1	21.1	21.4	21.2	25.3	27.0	27.5	28.6	29.2	30.1	30.8	30.3	30.6	28.8	27.8	25.8	26.9	26.7	25.5	26.3	25.8
8	23.3	21.8	21.0	23.2	23.8	21.4	25.2	26.8	27.9	29.5	31.0	31.2	32.5	30.0	29.4	29.1	29.0	29.0	27.2	25.2	21.9	24.2	24.2	23.6	28.9
9	23.6	23.5	24.0	23.8	21.0	24.3	26.9	29.2	30.0	31.0	32.0	33.2	33.2	34.2	35.2	33.2	31.7	29.0	29.0	27.8	27.8	27.3	26.2	25.2	28.5
10	24.1	21.6	24.0	23.0	20.7	21.0	21.7	26.2	28.6	28.2	28.8	27.7	30.0	29.7	29.0	29.4	28.3	25.8	25.4	24.6	21.8	21.6	21.3	21.3	26.0
1inci onluk	223.3	221.3	218.3	217.1	211.9	222.0	237.6	254.7	268.8	280.4	289.1	291.4	296.9	293.1	293.3	289.9	281.9	268.7	259.1	243.1	239.2	236.3	230.7	228.2	25.4
11	21.4	21.6	23.7	23.2	23.0	23.6	23.3	22.8	22.8	23.0	25.0	21.2	20.0	22.4	23.6	23.0	22.5	22.0	21.7	21.4	21.1	20.8	20.0	19.7	22.6
12	19.2	19.2	18.1	17.8	17.5	17.2	19.3	20.1	22.1	24.1	21.6	20.7	21.4	20.9	21.4	22.1	21.5	20.7	19.9	19.1	19.3	19.0	18.3	17.9	20.0
13	17.7	16.7	17.3	17.6	18.0	17.6	18.7	18.5	17.5	19.5	19.7	19.7	22.0	21.5	23.6	23.7	23.1	22.3	21.5	21.5	20.9	21.0	19.5	19.5	20.0
14	19.7	21.2	21.2	20.9	20.9	21.1	21.7	21.8	23.0	21.2	23.7	21.6	25.2	25.6	21.6	25.0	24.0	23.0	21.0	21.7	21.5	21.6	21.0	21.0	22.5
15	21.5	21.5	20.9	20.5	20.4	20.6	22.4	22.5	24.5	21.7	25.0	25.0	26.0	25.5	25.3	24.3	21.6	23.5	22.6	22.5	21.8	21.5	21.4	21.4	23.0
16	20.9	21.1	20.8	20.5	20.5	21.0	22.5	23.0	23.0	21.8	21.2	25.2	25.1	25.1	25.2	25.0	24.8	21.4	22.1	21.5	21.4	21.1	21.0	21.0	22.8
17	20.9	20.6	20.4	20.0	20.5	21.5	22.8	25.0	26.0	26.2	25.8	25.5	26.7	25.9	26.4	25.9	25.1	24.7	22.9	21.4	21.2	20.9	20.6	20.4	23.2
18	20.4	20.4	20.6	20.1	20.3	20.8	21.9	23.0	23.0	23.6	24.1	25.5	25.0	23.3	26.0	25.0	24.7	23.9	22.8	22.2	22.2	21.3	21.2	21.0	22.7
19	21.0	21.0	21.0	20.9	20.8	20.9	22.3	23.5	21.2	23.0	23.9	24.8	25.0	21.9	25.8	21.0	23.8	22.7	21.4	20.8	20.4	19.9	19.8	19.5	22.3
20	19.4	19.0	19.0	19.0	19.1	19.7	20.5	22.8	21.3	21.7	22.0	20.5	21.5	23.4	26.4	26.1	26.2	21.3	23.0	22.0	21.8	21.1	21.2	20.5	22.2
2inci onluk	205.1	205.3	203.0	200.8	201.0	204.0	215.4	223.3	231.5	238.1	235.3	235.7	241.2	242.8	248.3	244.7	240.9	231.5	219.2	214.4	212.3	209.1	204.7	201.9	22.1
21	20.4	20.4	20.3	19.3	19.2	19.1	21.4	22.1	23.5	21.5	25.0	26.0	25.0	21.6	16.1	20.1	26.7	21.3	20.2	19.6	19.7	19.2	19.6	19.4	21.1
22	19.4	18.3	18.2	18.0	17.7	19.5	20.8	22.0	23.6	21.5	25.3	24.0	21.5	24.9	21.5	23.0	24.3	22.8	20.8	20.1	20.0	19.1	19.1	18.0	21.4
23	17.9	17.9	18.3	17.5	17.5	18.4	18.4	19.5	21.2	21.8	22.3	22.0	21.5	22.5	22.6	21.8	21.2	21.2	19.1	19.1	19.2	18.9	19.4	19.4	20.0
24	19.4	20.0	19.5	18.9	18.7	18.7	19.2	20.1	22.0	22.2	23.3	23.8	24.0	24.0	24.3	23.5	23.0	21.4	20.9	20.0	19.8	19.3	19.1	19.0	21.0
25	18.1	18.1	17.8	17.6	17.6	17.3	18.5	19.6	22.4	23.6	23.5	21.8	26.5	26.1	26.6	26.5	25.1	23.0	21.9	19.6	19.0	18.8	19.2	18.6	21.3
26	18.5	18.0	17.6	17.9	17.9	17.8	19.9	21.5	23.8	23.8	26.1	28.0	27.3	26.3	25.5	26.0	25.3	23.2	21.3	20.1	19.7	19.3	19.2	19.1	21.9
27	19.2	19.1	19.1	19.1	18.5	19.6	20.1	22.5	22.7	21.0	25.2	25.0	23.8	24.5	25.2	24.1	23.7	21.7	20.8	20.6	20.2	19.7	20.0	19.7	21.6
28	19.5	19.5	19.8	18.8	19.7	19.8	21.9	22.8	21.8	21.7	21.6	25.0	24.6	25.6	25.8	25.1	21.6	23.1	22.2	21.3	21.1	21.0	20.2	20.2	22.3
29	19.3	19.7	21.2	20.6	20.6	21.2	21.4	21.6	20.0	19.5	17.1	18.2	19.1	17.8	18.5	18.5	20.0	18.6	19.9	19.8	19.7	19.7	19.6	19.7	20.1
30	19.5	19.5	19.4	19.3	19.2	19.2	19.6	19.9	19.2	19.7	19.8	21.0	22.4	21.7	23.2	22.5	21.8	21.2	20.0	19.4	19.1	18.6	18.6	18.3	20.1
31	18.6	18.4	18.3	18.4	18.1	18.4	18.9	21.5	19.6	19.3	20.9	23.0	25.0	23.6	23.2	23.2	21.3	20.1	19.7	19.0	19.1	18.9	18.1	18.9	20.2
3üncü onluk	209.8	208.9	209.5	205.4	205.0	209.0	220.1	233.7	243.0	249.6	253.4	260.8	263.7	261.6	255.5	255.4	251.9	239.3	225.5	218.7	216.7	212.8	212.5	210.2	21.0

S A A T — H E U R E

Ortalama
MeyanGün
Jour

Jour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	19.0	19.4	19.4	19.5	19.5	19.5	19.5	19.5	20.5	20.5	22.2	22.7	23.5	21.9	23.1	23.0	22.4	22.2	20.9	19.8	19.3	18.8	18.4	18.3
2	17.5	17.5	16.4	16.5	16.2	17.1	19.1	20.0	21.1	22.0	22.3	23.0	23.3	23.5	23.3	22.8	22.4	21.5	20.5	19.8	19.7	19.5	19.6	19.5
3	18.4	18.0	18.0	17.5	18.0	17.0	18.1	20.0	21.4	23.0	23.6	24.3	24.4	25.1	24.6	24.0	23.4	22.4	20.4	19.7	19.4	18.9	18.8	19.0
4	18.4	18.5	18.3	18.2	18.2	18.0	18.9	20.5	22.8	23.4	23.6	24.3	24.7	24.1	23.4	23.0	22.3	21.3	20.4	20.1	20.0	19.3	19.4	19.3
5	19.3	19.2	18.9	18.5	18.4	18.4	19.3	20.3	19.4	20.0	20.4	20.5	20.5	21.1	21.0	20.3	20.0	18.4	17.4	17.5	18.2	18.3	18.3	17.5
6	17.3	17.3	17.3	16.9	16.6	16.3	17.8	19.6	20.1	21.4	21.4	21.5	21.8	21.5	21.6	20.8	20.0	19.3	18.3	17.8	17.5	17.2	16.8	18.9
7	16.7	16.6	16.5	16.5	16.5	16.5	17.9	19.6	20.8	21.7	21.6	22.3	21.4	21.4	21.4	20.6	20.4	19.4	18.4	17.8	18.1	18.0	17.6	19.0
8	16.9	17.4	17.2	17.3	17.3	17.4	19.0	20.4	21.0	21.5	21.4	22.2	23.0	21.9	22.0	21.4	20.8	19.4	18.9	18.8	18.7	18.5	18.5	19.6
9	18.1	18.4	18.4	18.1	17.8	18.4	18.8	19.6	19.8	20.1	21.4	21.0	21.2	20.9	21.8	20.8	19.3	18.5	17.6	17.1	17.3	16.6	16.6	18.9
10	16.3	17.0	17.4	17.5	17.6	17.6	17.7	18.0	20.0	21.4	20.5	20.6	22.0	22.0	21.8	21.2	20.5	19.1	18.5	18.5	18.3	18.4	18.4	18.6
1inci onluk	178.2	179.3	177.8	176.8	176.1	176.6	186.4	197.5	206.9	215.0	218.4	222.4	225.8	233.4	224.0	217.9	211.5	191.3	187.9	186.4	185.2	183.3	181.7	19.7
11	18.7	18.5	18.5	17.5	18.5	18.5	18.7	19.5	21.5	21.7	20.6	20.1	22.2	22.1	21.9	21.4	20.9	19.5	18.0	16.3	16.1	15.7	15.0	15.7
12	15.2	15.0	15.0	14.6	14.7	14.5	15.8	19.2	19.4	20.6	23.3	23.6	23.4	23.2	22.9	21.8	21.7	19.6	17.5	16.2	16.2	15.1	15.0	15.4
13	15.3	14.6	15.2	15.4	15.4	15.0	16.3	19.0	20.4	22.7	21.4	21.4	21.9	21.6	22.5	21.8	20.2	18.4	17.2	17.0	16.5	16.2	16.2	18.2
14	16.0	16.4	16.2	16.7	16.6	17.0	18.1	19.0	21.5	21.5	24.0	24.0	23.3	23.0	22.3	21.4	20.1	19.1	18.2	17.3	17.3	17.0	17.2	19.2
15	17.2	16.5	16.8	17.0	17.5	17.5	19.0	21.5	20.9	23.4	24.3	24.5	23.7	22.6	22.6	22.6	22.2	20.0	18.9	18.7	18.4	18.2	18.2	20.0
16	18.6	18.4	18.3	16.8	17.9	18.0	18.5	21.0	23.0	24.5	26.0	27.0	27.0	26.1	26.4	26.0	25.7	24.4	22.1	20.6	20.7	20.0	20.3	22.0
17	20.3	20.0	19.3	19.3	18.0	18.5	19.1	21.8	24.5	24.4	26.3	26.3	25.3	24.7	23.9	24.0	23.2	21.3	20.3	19.2	18.7	18.2	18.2	21.4
18	18.2	17.1	17.1	17.1	16.6	16.1	17.0	19.0	21.0	22.1	23.4	24.2	25.6	24.1	24.2	24.6	23.8	21.3	20.0	18.9	18.5	18.3	18.3	20.2
19	18.7	18.5	18.5	18.5	18.7	18.4	19.0	22.0	23.0	25.0	25.1	26.1	26.5	25.4	24.8	24.2	23.5	21.4	20.2	19.6	19.7	19.2	19.0	21.5
20	19.0	20.1	18.8	18.8	18.8	19.3	19.4	21.0	23.7	25.0	26.4	27.6	25.5	24.8	23.7	22.8	22.4	20.4	20.0	19.5	19.2	19.3	19.2	21.4
2inci onluk	177.2	175.1	173.7	171.7	172.7	172.8	180.9	203.0	218.9	230.9	240.8	244.8	246.4	237.6	235.2	230.6	224.0	205.7	192.6	183.3	181.3	177.2	176.6	178.0
21	19.3	19.3	19.3	19.3	19.4	19.4	19.6	20.5	21.9	22.5	23.0	23.4	23.4	22.8	22.8	23.0	21.8	20.0	19.6	19.2	18.9	18.6	18.6	20.6
22	17.8	17.9	18.2	18.7	18.5	17.6	18.6	21.2	21.3	23.3	24.5	25.5	24.8	24.9	24.3	22.8	22.0	21.0	20.3	19.5	19.5	18.8	19.0	19.5
23	19.5	19.2	19.1	18.7	18.5	18.4	18.5	20.9	21.5	22.5	22.6	22.6	22.6	22.6	22.6	21.9	21.4	19.5	18.6	17.8	18.1	17.8	17.7	20.0
24	18.5	20.6	20.4	22.3	22.2	21.7	21.9	21.5	23.0	25.0	24.5	26.8	25.4	17.7	16.7	17.8	17.8	18.4	16.7	16.8	17.1	16.6	16.6	20.1
25	16.7	16.7	16.7	16.7	16.7	16.6	16.9	17.6	17.8	18.6	16.7	15.0	14.4	15.5	15.2	17.0	16.8	16.3	15.6	14.3	14.9	14.4	14.2	16.1
26	14.2	14.2	14.0	14.0	13.2	12.4	11.5	11.6	12.9	13.2	15.0	15.5	15.5	15.8	14.8	14.5	13.8	12.5	11.8	11.2	11.1	10.8	10.8	13.1
27	9.9	9.4	9.3	9.0	9.0	9.0	10.1	12.9	14.5	16.8	18.3	18.2	20.3	19.0	17.9	17.7	16.7	14.7	13.7	12.7	12.2	12.7	12.0	13.7
28	12.5	13.0	13.7	13.7	13.5	13.5	13.8	14.4	17.6	17.5	17.5	17.5	16.6	14.5	15.3	15.0	14.0	12.4	12.1	12.2	12.1	12.3	12.3	14.1
29	12.5	12.5	12.3	15.0	15.1	15.0	13.0	13.4	14.8	15.9	14.5	15.0	16.4	16.4	15.8	15.5	15.3	14.5	13.6	13.3	12.6	12.5	12.5	14.3
30	13.0	13.0	13.0	13.0	13.0	13.1	13.7	15.8	17.8	18.0	18.1	18.8	17.5	17.1	16.0	15.2	13.6	11.3	14.3	14.3	14.1	13.5	13.5	15.0
3inci onluk	153.9	155.8	156.0	160.4	159.1	156.7	157.6	169.8	183.1	193.3	194.7	198.3	196.9	186.7	181.4	180.4	174.8	164.4	157.2	151.6	151.3	148.1	147.9	147.4
Ortalama	17.0	17.0	16.9	17.0	16.9	16.9	17.5	19.0	20.3	21.3	21.8	22.2	22.3	21.6	21.4	21.0	20.3	19.1	18.0	17.4	17.3	17.0	16.9	18.9

Gün Jour	S A A T — H E U R E																								Ortalama Moyen
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	98	95	93	91	90	87	81	74	71	67	71	65	62	67	69	69	73	78	55	90	93	94	96	97	82
2	95	98	99	100	100	94	91	82	75	74	68	65	68	70	74	74	74	79	82	92	94	97	95	98	85
3	96	95	95	94	98	92	86	76	73	65	60	62	70	67	53	53	50	70	79	90	91	94	96	95	79
4	98	96	100	100	96	92	80	65	40	40	45	75	73	69	73	82	85	91	95	95	96	95	95	95	82
5	92	92	100	92	90	85	100	100	100	100	85	80	73	79	82	83	77	80	90	95	94	100	100	95	90
6	90	91	89	85	81	78	78	81	81	75	72	72	75	78	73	80	80	73	81	91	92	94	96	97	83
7	91	90	77	83	82	80	75	75	75	72	64	60	69	74	73	70	77	64	80	95	96	96	97	97	80
8	100	98	96	98	96	93	85	58	53	56	60	62	58	62	55	50	50	55	62	78	81	87	90	93	74
9	93	96	100	98	99	97	88	65	45	2	2	2	2	41	33	42	37	44	46	44	53	43	58	63	64
10	75	65	55	51	51	48	48	49	44	40	33	30	31	33	32	29	29	30	37	47	11	12	45	43	43
1inci onluk	928	916	904	895	889	846	812	725	660	589	558	571	579	640	619	632	632	659	740	817	834	842	868	871	76
11	11	41	42	44	45	43	52	55	51	70	70	65	61	62	61	60	70	68	75	91	95	98	95	98	65
12	100	98	97	96	97	91	82	75	72	96	72	70	72	68	72	72	71	73	85	93	96	96	96	97	84
13	97	96	97	97	97	95	86	78	74	60	68	65	58	61	64	68	72	78	89	95	91	96	95	97	82
14	100	98	98	98	96	94	79	70	73	73	68	68	66	64	67	67	64	68	72	80	80	91	92	96	80
15	97	96	99	95	95	93	77	73	62	53	52	45	43	51	54	42	48	55	62	71	75	82	84	84	70
16	89	92	92	90	94	90	77	65	57	35	32	28	28	36	38	40	38	42	48	48	58	60	64	52	58
17	56	58	62	61	61	61	63	57	53	52	19	17	30	32	34	34	31	18	50	56	73	75	65	63	53
18	58	56	57	62	63	60	58	52	60	47	40	32	28	33	27	27	23	21	28	34	46	46	46	44	44
19	42	50	57	62	68	71	60	62	58	52	50	50	41	42	39	40	38	35	16	55	58	62	60	62	53
20	62	65	67	65	62	77	72	67	65	68	65	58	52	46	50	60	67	63	72	87	90	98	71	85	68
2inci onluk	742	750	768	770	778	786	706	654	629	576	566	528	485	495	506	510	528	557	627	710	705	804	771	774	66
21	92	74	75	85	78	71	57	40	48	60	57	52	15	46	43	41	13	37	41	47	51	53	53	50	56
22	55	49	53	57	58	56	53	38	45	38	31	15	50	42	37	40	37	17	60	78	75	67	78	78	56
23	72	77	83	80	60	70	65	43	21	27	29	26	30	36	37	38	15	50	60	77	81	85	95	93	58
24	81	100	82	95	95	85	70	60	53	43	43	47	50	50	47	43	41	43	50	50	64	46	60	50	61
25	16	50	51	52	54	55	52	49	49	43	42	42	45	59	65	65	70	66	75	90	87	85	65	70	60
26	71	73	80	88	92	87	73	62	50	40	35	23	22	21	52	65	73	77	87	85	78	77	75	68	65
27	57	63	58	57	47	55	44	42	39	33	30	30	30	31	35	32	28	30	36	40	16	37	13	39	41
28	50	17	10	15	54	63	60	72	53	50	46	42	40	45	44	38	36	40	48	57	62	63	65	69	51
29	72	72	77	82	75	68	62	55	50	15	51	62	60	56	56	55	57	65	70	75	81	81	81	83	68
30	81	80	75	76	77	73	70	75	72	60	58	62	67	72	63	61	67	71	77	80	81	75	81	87	73
31	87	87	86	81	85	82	66	56	54	46	44	42	41	50	52	55	58	61	67	80	82	84	88	92	68
3inci onluk	770	772	765	797	775	773	672	592	513	485	471	476	480	511	539	536	555	587	674	759	788	753	784	778	59

Gün Jour	SAAT — HEURE																								Oriatama Moyen
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	100	97	97	97	97	97	81	68	53	50	44	45	50	50	44	40	45	52	60	78	82	87	95	97	71
2	98	98	99	99	98	97	86	70	63	60	52	52	52	52	53	54	55	60	60	78	83	91	91	89	76
3	93	97	98	97	97	96	86	72	53	45	51	51	50	51	47	48	55	55	70	90	92	97	97	97	73
4	97	96	97	90	95	97	90	81	70	60	57	50	50	62	65	45	40	50	65	80	83	90	92	95	75
5	96	97	97	96	95	93	87	65	57	52	41	40	42	44	43	18	53	62	77	83	85	86	88	90	72
6	87	89	100	88	98	95	86	77	62	45	43	47	48	51	45	51	53	55	63	80	83	83	85	90	71
7	80	88	85	88	84	80	79	70	62	55	53	45	42	36	32	30	32	35	37	35	40	40	42	42	55
8	46	48	54	56	56	57	60	67	58	53	43	54	52	58	62	55	50	56	63	71	68	78	70	69	59
9	72	68	68	68	65	63	55	46	14	40	33	23	28	26	22	30	35	50	48	63	56	53	65	78	50
10	83	80	74	85	88	80	74	74	61	61	67	65	56	59	48	55	63	78	71	78	68	70	77	80	71
1inci onluk	852	858	879	862	873	853	784	690	590	528	489	466	470	483	461	455	471	553	626	736	740	775	805	827	67
11	87	87	85	85	87	78	67	83	72	67	70	65	95	71	70	73	71	70	73	73	73	71	86	92	77
12	91	85	93	90	90	88	77	70	65	57	50	80	93	84	70	80	72	77	78	72	76	84	86	82	80
13	100	96	97	97	97	90	87	98	95	90	94	100	100	78	76	76	75	77	80	80	84	81	100	80	89
14	80	74	70	73	80	81	79	79	77	70	73	70	60	64	66	64	75	75	86	86	89	83	86	84	76
15	85	86	90	95	97	95	88	85	77	70	70	65	60	66	66	62	61	71	76	81	81	86	87	86	79
16	90	86	90	95	97	93	83	80	73	71	70	60	57	63	63	65	68	71	78	81	81	90	90	90	79
17	90	95	98	98	95	90	84	75	60	63	66	65	65	64	63	62	61	72	82	87	88	91	91	99	80
18	100	100	100	100	100	98	92	87	83	80	71	72	72	73	70	75	80	80	84	88	85	92	91	96	87
19	97	95	92	93	93	92	83	73	67	67	61	62	64	66	64	68	68	72	82	86	90	96	97	97	80
20	97	100	97	96	92	90	86	70	65	70	70	70	70	65	60	55	55	58	78	68	73	75	75	80	76
2inci onluk	915	904	912	922	928	895	826	800	734	705	648	639	666	697	668	680	699	723	797	802	826	855	895	886	80
21	80	84	87	94	97	95	85	83	74	65	63	65	60	65	100	100	80	77	83	93	88	93	80	92	83
22	90	100	86	86	90	72	75	68	66	60	55	70	64	63	56	66	55	60	75	85	83	83	92	100	75
23	94	90	80	100	92	95	97	85	77	70	61	64	64	61	63	68	68	71	76	85	93	93	90	88	81
24	90	88	80	85	88	88	82	75	66	60	55	53	52	51	51	54	59	70	86	92	92	91	88	100	75
25	97	96	97	93	100	91	84	80	70	60	57	55	60	57	54	58	58	67	72	75	80	80	80	82	75
26	80	78	81	77	81	82	71	73	64	55	45	50	57	53	59	51	57	65	78	85	87	89	88	86	71
27	88	88	91	92	98	90	89	76	73	73	70	70	71	68	65	64	67	79	86	90	96	96	96	96	82
28	91	94	93	100	96	94	85	81	70	73	70	65	75	61	69	72	80	78	90	97	93	92	92	87	83
29	93	97	85	90	87	86	85	84	100	100	100	100	100	100	97	80	75	74	80	78	71	78	72	71	87
30	74	76	82	85	87	82	87	90	92	94	90	80	73	71	55	57	67	70	72	73	74	83	77	85	78
31	81	85	92	81	90	96	88	73	85	85	76	66	60	63	65	70	78	84	92	92	88	91	98	95	82
3inci onluk	958	976	984	983	1006	971	928	868	837	795	745	738	736	716	734	740	744	798	888	946	948	972	953	982	79
Oraama	88	88	88	89	91	88	82	76	70	65	63	61	62	61	60	60	62	67	75	80	81	84	86	87	76

Gün Jour	S A A T — H E U R E																								Ortalama Moyen
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	91	88	86	85	86	86	88	85	86	84	79	75	72	82	70	70	66	65	82	86	81	82	81	83	81
2	84	86	100	100	100	95	88	86	76	68	65	65	74	72	40	70	71	80	91	92	88	86	85	85	83
3	88	90	88	80	80	81	85	85	76	45	2	2	2	4	45	46	46	51	71	84	82	87	87	88	73
4	89	82	84	85	86	92	87	84	75	70	73	65	65	77	76	76	79	75	93	87	81	86	87	88	81
5	95	77	78	75	75	80	71	70	73	75	85	63	70	57	60	65	68	69	72	71	68	66	68	68	72
6	70	68	73	73	71	68	62	55	50	44	41	39	45	45	45	48	47	52	55	56	58	64	65	66	57
7	67	66	67	67	67	67	63	58	56	52	50	48	50	52	47	50	52	56	59	54	57	54	58	58	57
8	62	64	68	72	73	74	66	65	62	57	52	51	57	50	52	52	53	66	71	74	75	76	78	79	65
9	80	82	85	89	88	83	79	74	72	65	65	65	61	64	58	66	70	73	76	78	70	78	79	74	74
10	81	79	76	71	70	68	68	68	64	66	65	67	62	61	60	61	68	78	83	84	84	89	90	82	73
11inci onluk	807	782	805	797	796	794	757	730	690	626	585	544	556	605	583	604	625	665	756	766	752	760	777	776	71
11	76	80	75	80	79	74	76	79	70	66	70	64	63	59	60	62	64	70	79	89	87	90	94	96	75
12	100	90	95	100	90	90	87	85	80	70	60	52	58	63	63	69	66	80	95	98	100	100	97	90	82
13	89	97	94	100	98	98	88	78	70	62	64	65	64	65	60	55	66	78	92	94	91	90	94	94	81
14	89	88	88	85	85	84	80	75	60	60	55	55	60	60	62	63	70	83	86	92	89	94	91	91	77
15	90	98	96	88	88	92	84	80	77	70	66	57	68	73	76	73	70	83	90	91	91	92	93	90	82
16	90	96	94	100	100	94	90	84	80	76	65	55	50	56	45	45	43	43	68	73	67	65	53	60	71
17	62	62	70	75	70	88	87	75	61	60	50	45	52	57	65	74	58	70	76	100	88	85	89	98	72
18	97	100	97	96	100	96	94	82	75	72	66	65	65	66	64	63	63	81	82	95	87	80	84	85	82
19	83	85	82	87	88	93	84	60	52	45	42	38	38	63	68	70	75	80	93	95	94	92	100	100	77
20inci onluk	95	95	92	95	90	73	75	70	60	53	47	50	67	69	75	78	80	91	93	95	95	95	96	97	80
21	871	891	883	906	888	882	845	768	685	634	585	546	585	636	640	657	660	774	856	921	887	891	891	901	78
21	95	94	94	93	90	93	89	80	76	74	68	70	64	68	70	69	73	85	90	90	91	93	92	97	83
22	100	91	95	93	92	96	94	80	77	70	60	60	61	63	63	70	76	79	85	94	85	95	96	92	97
23	93	94	94	96	98	98	98	81	72	60	61	56	55	58	58	60	63	72	80	75	73	83	84	82	82
24	80	58	67	47	51	57	66	71	60	53	53	45	45	100	100	81	82	81	90	93	94	87	89	81	72
25	80	79	79	78	78	80	76	75	74	70	90	100	100	82	68	70	75	78	93	90	79	75	73	75	80
26	66	67	65	63	69	54	59	59	54	53	51	51	47	43	52	52	52	52	54	58	61	60	65	64	57
27	65	80	70	85	73	75	71	62	55	40	38	37	31	49	50	50	52	60	66	72	70	65	67	69	61
28	69	70	65	65	73	68	64	66	55	58	55	60	68	80	87	94	91	100	95	95	99	99	95	96	79
29	99	99	99	98	97	96	94	84	73	60	68	72	70	69	71	71	75	83	98	95	95	90	91	91	84
30	87	93	95	94	88	86	82	70	60	56	54	54	61	67	77	82	85	74	72	64	70	75	79	72	75
31inci onluk	834	825	823	812	809	803	793	738	656	596	600	605	602	679	696	699	720	756	808	829	817	827	830	822	75

Çökelek — Précipitation

Temmuz 1939 — Juillet 1939

S A A T — H E U R E

0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16-18	18-20	20-22	22-24	Toplam m/m	Devam Müddeti Durée
—	—	—	8.3	2.0	—	—	—	—	—	2.1	0.3	12.7	6/00

Ağustos 1939 — Août 1939

—	—	—	—	—	—	0.3	—	—	—	—	—	0.3	0/15
—	—	—	—	—	—	1.5	—	—	—	—	—	1.5	0/15
2.7	2.4	—	8.7	29.0	6.5	1.6	—	—	—	—	3.7	54.6	9/30
—	—	—	—	—	—	—	—	—	0.2	—	—	0.2	0/15
—	—	0.7	—	—	—	—	—	—	—	—	—	0.7	0/15
—	—	—	—	—	2.4	—	—	—	—	—	—	2.4	1/00
—	—	—	—	—	—	—	11.3	—	—	—	—	11.3	0/22
—	—	—	—	—	—	—	—	—	—	—	1.3	1.3	0/23
0.2	0.8	3.1	1.2	—	—	—	—	—	—	1.3	0.3	6.9	3/30
—	—	—	—	—	—	—	—	—	0.2	—	—	0.2	0/15
0.3	—	—	—	7.4	9.1	20.2	5.0	—	—	—	—	42.0	7/45
—	—	0.4	0.2	0.1	0.3	—	—	—	—	—	—	1.0	4/15
—	—	—	—	—	—	—	—	—	—	1.1	—	1.1	1/00
3.2	3.2	4.2	10.1	36.5	18.3	23.6	16.3	—	0.4	2.4	5.3	123.5	29/06

Eylül 1939 — Septembre 1939

—	—	—	—	—	—	5.8	0.1	—	1.1	—	—	7.0	2/0
—	—	—	—	—	7.5	2.7	—	—	0.3	—	—	10.5	2/15
—	—	—	—	—	—	1.3	2.2	2.9	7.8	7.3	5.9	27.4	11/15
6.7	1.0	4.7	6.0	0.2	—	—	—	—	0.3	0.5	—	19.4	6/45
6.7	1.0	4.7	6.0	0.2	7.5	9.8	2.3	2.9	9.5	7.8	5.9	64.3	22/15

S A A T — H E U R E

Gün Jour	1	2	3	4	5	6	7	8	9	10	11	12
1	NNE 7	NNE 6	NNE 7	NNE 6	NNE 7	NNE 9	NNE 0	NNF 0	NNE 10	NNF 11	NNE 12	NNE
2	N 5	N 3	N 1	N 1	N 4	N 4	N 3	NNW 5	NNW 6	NNW 6	NNW 7	NNW
3	NNE 4	NNE 4	NNF 1	NNE 1	NNF 1	NE 2	NE 3	N 3	NNW 5	NNW 6	NNW 8	NNW
4	NNE 3	NNE 4	N 4	N 5	N 6	NE 5	NE 9	NE 7	NE 8	NE 7	NNE 9	N
5	N 10	N 8	N 13	N 16	N 14	N 16	N 8	N 10	N 3	N 7	N 10	N
6	N 9	N 6	N 7	NNW 8	NNW 10	NNW 10	NNW 10	NNW 11	NNW 11	NNW 6	NNW 8	NNW
7	NNW 2	NNW 0	NNW 1	NNW 2	NNW 2	N 5	NNW 5	N 8	N 8	N 7	N 7	N
8	N 4	N 4	N 5	N 4	N 4	N 3	N 4	N 4	N 4	N 7	N 7	N
9	NNE 4	NNE 4	NNE 3	NNE 3	NNE 3	NNE 1	NNE 1	N 2	N 4	NNE 4	N 5	N
10	NE 4	NE 0	NE 1	NE 3	NE 0	NE 0	NE 0	NE 9	NNE 0	N 0	N 0	NNW
11	E 6	E 5	NEE 3	NEE 1	NEE 2	NEE 0	NE 0	N 1	NNW 1	NNW 4	NNW 0	NNW
12	N 5	N 4	N 5	N 4	N 4	N 4	NNW 5	NNW 5	NNW 0	NNW 7	NNW 5	NNW
13	NNW 6	NNW 5	NNW 5	NNW 1	NNW 2	NNW 3	NNW 4	NNW 3	NNW 4	NNW 5	NNW 5	NNW
14	NW 2	NW 1	NW 5	NW 1	NW 3	NW 3	NW 6	NW 7	NW 7	NW 7	NW 0	NW
15	N 1	N 0	NNW 2	N 7	N 2	N 0	N 1	NNW 3	NNW 5	NNW 5	NNW 6	NNW
16	N 0	N 2	NNW 0	NNW 0	NNW 0	NNW 0	NNW 0	NNW 0	NW 0	NWW 0	SWW 1	NW
17	NEE 0	NEE 0	NEE 0	NEE 0	NEE 0	NEE 1	NEE 1	NEE 0	NEE 1	SE 3	SE 2	S
18	NNW 2	NNW 0	NNW 0	NNW 0	NNW 0	NNW 0	NNW 0	NW 0	SW 0	SSW 2	SSW 1	SSW
19	SWW 0	SWW 2	SWW 0	W 2	W 0	W 1	W 2	SWW 1	SWW 3	SWW 4	SW 5	SW
20	NNE 0	NNE 0	NNE 0	NNE 0	NNE 0	NNE 2	NNE 0	NNE 0	N 4	N 5	N 6	N
21	SEE 3	SEE 0	SEE 0	SEE 0	SEE 0	NNE 0	NNE 0	NNI 0	NWW 0	SW 1	SW 3	SWW
22	NNE 0	NNE 0	NEE 0	NNE 0	NEE 0	NNE 0	NNE 0	NEE 0	NNE 2	NEE 2	N 2	N
23	SEE 0	SEE 0	SEE 0	SEE 0	SEE 2	SEE 2	SEE 1	SEE 0	SFI 2	SE 1	SF 4	NEE
24	E 1	E 0	SEE 4	NEE 4	NE 4	NEE 6	SEE 3	SEF 6	NL 1	N 2	N 5	N
25	E 1	E 2	E 4	E 0	F 0	E 0	E 0	L 0	SW 5	SW 0	SW 6	SW
26	NNE 1	NNE 0	NNE 2	NNE 1	NNE 0	NNE 2	NNE 2	SW 0	SW 1	SW 5	SW 1	SW
27	NNE 7	NNI 5	NNE 5	NNE 0	NNE 1	NE 0	NL 0	NE 0	NE 0	N 1	N 3	N
28	E 0	E 0	E 0	E 0	NE 3	NE 3	NF 1	NNF 3	N 5	N 4	N 6	N
29	E 1	NL 3	NE 3	NE 3	NL 1	NL 4	NE 5	NF 7	NF 7	NNE 7	N 9	NNW
30	NL 5	NL 5	NE 7	NE 6	NL 1	NE 4	NNE 6	NNE 9	NNE 5	NNE 7	N 7	NNW
31	NE 4	NE 4	NE 5	NE 6	NE 5	NL 1	NL 1	NNI 7	NNI 5	NF 1	NNI 8	NF
Galip yön	NNE	NE	NNE	NNE	NNE	NNE	NNE	N	N	N	NNW	NNW

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S A A T — H E U R E

	14	15	16	17	18	19	20	21	22	23	24	Gün Jour
13	NNE 12	NNE 11	NNE 13	NNE 10	NNE 10	NNE 6	NNE 4	N 5	N 4	NNE 4	N 7	1
11	NNW 8	NNW 8	NNW 8	NNW 8	NNE 9	NNE 5	NNE 4	N 4	N 4	N 4	N 4	2
10	NNW 8	NNW 6	NNW 8	NNW 7	NNE 9	NNE 7	N 5	NNE 6	NE 8	NE 5	NE 6	3
11	NNE 10	NNE 9	NNE 10	N 10	NNW 10	NNW 10	NNW 10	NNW 8	N 10	N 7	N 10	4
8	NNW 8	N 3	N 5	N 6	N 5	N 5	NNW 2	NNW 2	N 9	N 9	N 8	5
10	NNW 7	NNW 8	N 9	NNW 7	NNW 8	N 6	N 6	N 6	N 5	NNW 3	NNW 3	6
8	N 4	NNW 7	NNW 7	NNW 7	N 8	N 5	N 4	N 4	N 5	N 4	N 5	7
5	NNW 7	NNE 10	NNE 9	NNE 9	NNE 10	NNE 7	NNE 6	NNE 3	NNE 3	NNE 3	NNE 4	8
4	N 8	N 7	N 5	N 5	N 5	N 4	N 3	N 3	N 2	NE 3	NE 0	9
6	NNW 6	NNW 7	NNW 5	NNW 5	N 3	N 3	NEE 5	NEE 4	E 4	E 4	E 5	10
7	NNW 7	NNW 7	NNW 5	NNW 5	NNW 5	N 5	N 7	NNE 6	NEE 5	NNE 4	N 4	11
9	NNW 8	NNW 8	NNW 9	NNW 8	NNW 8	N 7	N 7	N 5	N 5	NNW 6	NNW 5	12
7	NNW 6	NNW 7	NNW 6	NNW 6	NNW 5	NNW 5	NNW 1	NNW 1	NNW 2	NNW 0	NW 7	13
9	NW 11	NW 9	NNW 8	NNW 9	NNW 8	NNW 5	N 5	N 4	N 3	N 3	N 0	14
6	NNW 6	NNW 7	NNW 7	NNW 6	NNW 5	NNW 2	NNW 1	NNW 0	NNW 0	NNW 0	NNW 2	15
5	NW 6	NW 6	NW 5	NW 3	NNW 3	N 4	NEE 3	NEE 2	NEE 2	NEE 4	NEE 0	16
3	NW 6	NW 6	NW 5	NW 5	NW 3	NW 1	NW 3	NW 1	NW 1	NNW 3	NNW 1	17
3	SSW 3	SWW 1	SW 0	SWW 0	SWW 0	SWW 0	SWW 0	SWW 0	SWW 1	SWW 0	SWW 2	18
3	SW 2	SW 1	N 4	N 3	N 3	N 4	N 1	N 2	N 2	NNE 2	NNE 0	19
6	N 6	N 7	N 7	N 5	NNE 6	NNE 3	NNE 2	NNE 5	NE 3	E 4	E 3	20
0	N 4	N 6	N 3	N 3	N 1	NEE 2	NEE 0	NEE 0	NEE 2	NEE 1	NEE 0	21
7	N 8	N 6	N 6	NNE 5	NNE 6	NNE 5	NNE 7	SEE 6	SEE 5	SEE 2	SEE 2	22
8	SEE 7	NE 8	E 7	NE 4	NE 4	NE 4	NE 3	E 5	E 3	SEE 5	SEE 2	23
8	N 7	N 7	N 6	NE 6	NE 4	E 4	E 6	E 5	E 4	E 4	E 0	24
6	N 7	N 8	N 8	N 6	N 6	N 4	N 4	NNE 4	NNE 3	NNE 2	NNE 3	25
4	SW 5	N 7	N 7	N 6	N 6	N 5	NNE 6	NNE 7	NNE 8	NNE 7	NNE 7	26
7	NNW 7	NNW 6	N 5	E 4	SEE 3	SEE 3	SEE 5	SE 4	E 2	E 1	E 0	27
8	N 9	N 8	N 8	NNE 8	NE 8	E 4	SEE 6	NNE 0	SEE 4	E 1	E 2	28
13	NNE 13	NNE 14	NNE 15	NNE 12	NNE 12	NNE 11	NNE 8	NNE 8	NE 8	NE 7	NE 6	29
9	NNW 11	NNW 10	NNE 9	NNE 9	NNE 8	NNE 7	NNE 6	NE 4	NE 5	NE 3	NE 1	30
9	NNE 9	NNE 7	NNW 9	NNE 8	NNE 8	NNE 5	NNE 6	NNE 5	NNE 4	NE 1	NE 4	31
	NNW	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	Galip yön

S A A T — H E U R E

Gün Jour	1	2	3	4	5	6	7	8	9	10	11	12
1	NNE 2	NNE 4	NE 4	NE 3	NE 3	NE 2	NE 2	NE 0	NE 6	NNE 7	NNE 7	NN
2	NNE 4	NNE 3	NNE 1	NNE 3	NNE 2	NNE 3	NNE 3	N 3	NNW 7	N 0	N 11	N
3	NNE 2	NNE 0	NNE 0	NNE 0	NNE 0	NNE 0	NNE 0	NNE 0	N 4	N 2	NW 6	N
4	NNE 2	NNE 5	NNE 3	NE 2	NE 1	NNE 0	NNE 1	N 1	N 7	N 3	N 10	N
5	NE 2	NE 3	NE 4	NE 4	NE 3	NNE 5	NE 4	NE 5	NE 5	NE 4	NNE 3	NNE
6	NE 1	NE 2	NE 3	NE 2	NE 1	NE 2	NE 2	N 3	N 4	N 5	N 5	N
7	NEE 0	NEE 0	NEE 0	NEE 0	NEE 0	NEE 0	NEE 0	NEE 2	SE 3	SSE 3	SSE 3	SSW
8	SW 0	SW 0	SW 0	SSW 2	SSW 0	SSW 1	SSW 0	SW 0	SW 0	SW 0	SW 0	SW
9	E 0	E 0	E 0	E 1	E 0	E 0	E 0	E 0	E 3	E 3	E 4	SEE
10	SW 0	SSW 0	SSW 0	SSW 1	NNW 2	N 2	N 1	N 4	N 7	NNW 7	NNW 12	N
11	NNE 7	NNE 7	N 0	N 12	N 10	NNW 14	NW 11	NW 16	NNW 13	N 13	NNW 12	NNW
12	NNE 0	N 4	NNW 5	NNW 7	NNW 6	N 4	NNW 5	NNW 5	NW 4	SW 4	SW 4	SW
13	W 3	SWW 2	SWW 0	NNW 3	NNW 5	NW 2	NNW 0	S 4	SE 0	SEE 0	W 3	NNW
14	N 0	NNW 10	NNW 8	N 7	NNW 8	NNW 6	NW 7	NW 7	NNW 11	NNW 7	NNW 8	NW
15	N 4	N 3	N 2	N 0	N 0	N 0	N 1	N 4	N 3	N 6	N 6	N
16	NNE 4	NE 4	NNE 3	NNE 3	NNE 2	NNE 1	NNE 3	NE 5	NE 6	NNW 5	NNW 6	NNW
17	NE 3	NE 2	NE 1	NE 1	NE 2	NNE 2	NNE 0	NNE 2	N 2	N 4	N 4	N
18	NNE 2	NNE 7	NNE 2	NNE 1	NNE 1	NE 0	NE 0	N 3	N 7	N 7	N 6	NNW
19	N 1	N 3	NNE 4	N 3	N 3	N 3	N 4	N 5	NNW 7	NNW 7	N 9	N
20	NNE 0	NNE 0	NNW 0	NNW 0	NW 0	NW 1	NW 2	W 2	SWW 3	SW 3	SW 2	SW
21	SSW 2	SSW 0	SSW 1	NW 1	NW 2	NW 0	NW 0	NW 1	N 3	N 3	N 3	N
22	NNE 0	NNE 0	NNE 0	NNE 0	NNE 0	NNE 0	NE 0	NW 0	NW 0	W 2	W 1	SWW
23	N 2	N 3	N 4	N 4	NW 0	NW 4	NW 6	NNW 5	NW 8	NNW 9	NNW 6	N
24	N 5	N 6	N 4	N 2	N 2	NNW 1	NNW 3	N 3	NNW 7	N 7	N 6	N
25	NE 0	NE 0	NE 0	NE 0	NE 0	NNE 0	NNE 0	NNE 0	NNW 0	NNW 0	N 0	NW
26	NE 2	E 4	E 4	NEE 1	NEE 2	NEE 0	NEE 2	NEE 1	NEE 0	NW 0	NW 0	NNW
27	NE 4	NE 5	NE 4	NE 4	NE 4	NE 3	NE 3	NNE 5	NNE 6	N 4	N 6	N
28	NE 6	NE 4	NE 1	NE 2	NNE 5	NE 1	NE 2	NE 1	NE 3	N 3	N 4	N
29	NNE 5	NNE 5	NNE 7	NNE 6	NNE 7	NNE 7	NNE 9	SEE 8	NE 5	NE 0	N 2	NNW
30	N 3	N 3	N 2	N 2	NNE 3	NNE 2	NNE 1	NNE 2	NNE 4	NNE 3	NNE 4	N
31	NNE 1	NNE 2	NNE 2	NNE 0	NNE 0	NNE 0	NNE 0	NW 0	NNW 3	N 3	N 2	NNW

Galip yön

NNE NNE NNE NNE NNE NNE NNE N N N NNW NW NW

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S A A T — H E U R E

												Gün Jour
14	15	16	17	18	19	20	21	22	23	24		
8 NNE 8	NNE 8	NNE 9	NNE 9	NNE 6	NE 5	NE 4	NE 4	NE 4	NNE 3	NNE 4	1	
11 N 7	N 9	NNW 10	N 11	N 7	N 7	N 5	N 7	N 5	NNE 3	NNE 3	2	
8 N 9	N 7	N 8	N 6	N 3	N 4	NNE 3	NE 2	NE 3	NNE 3	NNE 2	3	
11 N 9	NNW 11	N 8	NE 6	NE 5	NE 3	NE 4	NE 4	NE 2	NE 2	NE 2	4	
6 N 9	N 6	NNE 7	NNE 6	NNE 6	NE 4	NE 3	NE 3	NE 3	NE 2	NE 2	5	
7 N 7	N 7	N 8	N 6	N 6	NE 3	NEE 3	NEE 3	NEE 2	NEE 3	NEE 0	6	
4 SW 7	SW 5	SW 5	SW 3	SW 2	SW 2	SW 2	SW 0	SW 0	SW 0	SW 0	7	
4 N 8	NNW 8	NNW 6	NNW 4	N 3	N 3	E 3	E 1	E 2	E 1	E 0	8	
5 SSW 6	SW 5	SSW 6	SSW 3	SSW 3	SSW 0	SSW 0	SSW 0	SSW 0	SSW 0	SW 1	9	
7 NE 9	NE 8	NNE 9	NNE 8	NNE 6	NE 6	NNE 9	NNE 7	NNE 4	NNE 5	NNE 5	10	
8 N 5	NNW 7	NNW 8	N 6	N 5	NNE 3	NNE 4	NNE 1	NNE 0	NNE 0	NNE 0	11	
3 SWW 3	SWW 6	NNW 11	NNW 10	NNW 7	NNW 5	N 5	NNW 5	N 3	NWW 2	W 3	12	
8 NW 11	NW 11	NW 12	NW 11	NW 11	N 6	N 7	N 5	NNE 7	NNE 4	N 7	13	
8 NNW 8	N 9	N 9	N 7	N 7	NNE 7	NNE 5	NNE 5	N 5	N 3	N 4	14	
6 N 7	N 7	N 7	N 8	N 7	N 5	N 4	N 4	NNE 4	NNE 3	NE 3	15	
7 NNW 6	NNW 8	NNW 7	NNW 6	NNE 6	NNE 6	NNE 5	NNE 5	NE 3	NE 3	NE 1	16	
8 NNW 8	N 5	N 5	N 5	N 6	NNE 4	NNE 3	NNE 1	NNE 3	NE 4	NNE 3	17	
8 NW 7	NW 7	NW 7	N 7	NNE 5	NNE 5	NNE 4	NNE 4	NE 4	NE 4	NNE 2	18	
6 N 6	N 5	N 5	N 3	NNE 2	NNE 3	NNE 2	NNE 0	NNE 0	NNE 0	NNE 0	19	
0 SW 0	SW 2	SW 2	SW 1	SW 2	SW 1	SW 0	SW 0	SW 2	SW 9	SSW 2	20	
7 N 5	N 11	NNE 7	NNE 6	NE 4	NEE 1	SEE 3	NEE 0	NEE 1	NEE 0	NNE 0	21	
3 N 6	N 5	N 3	N 3	N 3	N 4	N 3	NNE 3	NNE 2	N 1	N 5	22	
7 N 8	N 7	N 7	N 7	N 4	N 6	N 6	N 3	N 3	N 4	N 7	23	
6 N 6	N 6	N 7	N 7	N 4	NNE 1	NNE 3	NNE 3	NNE 2	NE 2	NE 0	24	
2 SWW 1	SWW 2	W 0	NWW 0	N 2	E 4	E 6	E 5	E 5	NEE 2	NE	25	
5 NNW 5	N 6	NNE 5	NNE 5	NE 5	NE 5	E 5	E 4	E 3	NEE 3	NEE 2	26	
8 NW 7	N 7	N 7	NNE 8	NNE 8	NNE 6	NE 5	NE 3	NE 3	NE 3	NE 3	27	
8 N 8	N 8	N 7	NNW 7	NNE 9	NNE 7	NE 2	NNE 2	NNE 3	NNE 2	N 5	28	
8 E 6	NNE 9	NNE 9	NNE 9	NNE 9	NNE 8	NNE 7	NNE 4	NNE 4	NNE 5	NNE 4	29	
6 N 6	N 7	N 8	N 7	N 6	NNE 4	NNE 3	NNE 3	NNE 0	NNE 0	NNE 0	30	
0 N 1	N 2	N 4	NNE 6	NE 5	NNE 6	NNE 5	NE 5	NE 1	NE 0	NE 3	31	
NW	NW	NNW	N	NNE	NE	NNE	NNE	NE	NNE	NNE	Galip yön	

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S A A T — H E U R E												Gün Jour
	14	15	16	17	18	19	20	21	22	23	24	
7	NNW 6	NW 6	N 7	N 7	NNE 6	NNE 6	NE 5	NE 4	NE 4	NE 1	NE 2	1
6	N 5	N 5	N 7	N 7	N 4	NNE 5	NNE 3	NE 3	N 4	E 3	E 3	2
6	NE 7	NNE 7	NNE 6	NNE 1	NNE 4	NE 3	NNF 3	NNE 1	NNE 3	NNE 3	NNE 1	3
5	N 6	NW 6	NNW 7	N 8	NNW 6	N 7	N 9	N 9	NNE 7	N 8	N 7	4
7	NNE 9	NNE 11	NNE 12	NNE 10	NNE 8	NNE 8	NNE 8	NNE 7	NE 7	NE 8	NE 6	5
9	NE 9	NE 7	NE 10	NE 9	NE 7	NE 7	NE 7	NE 5	NE 4	NE 5	NE 4	6
10	NE 12	NE 11	NE 12	NE 12	NE 9	NE 8	NE 7	NE 7	NE 9	NE 8	NE 6	7
8	NE 9	NE 8	NE 11	NE 9	NE 9	NE 8	NNE 8	NE 7	NE 8	NE 6	NE 6	8
10	NE 8	NE 11	NE 9	NE 11	NE 8	NE 6	NE 6	NE 7	NE 5	NE 5	NE 5	9
6	NNE 6	NNE 7	NNE 7	NNE 7	NNE 5	NE 4	NE 5	NNE 3	NNE 3	NNE 2	NE 4	10
6	N 6	N 5	N 6	N 4	NE 4	E 4	SEE 5	SEE 5	SEE 4	SEE 4	SEE 3	11
5	N 5	N 5	N 6	NE 6	NE 5	E 4	E 3	E 4	SEE 5	E 4	E 3	12
6	N 6	N 4	NNE 5	NNE 6	NE 7	NE 5	NE 3	NEE 3	NE 2	NE 3	NE 4	13
4	NNE 6	NE 6	NE 6	NE 6	NE 5	NE 5	NE 3	NE 4	NE 2	NE 3	NE 2	14
5	N 6	N 5	N 4	NNE 5	NNE 4	NNE 5	N 3	NEE 4	NE 4	NE 1	NE 0	15
2	SW 1	SW 2	SW 2	SW 2	SW 0	E 4	E 4	SEE 2	SEE 3	SEE 0	SEE 0	16
7	N 6	N 5	N 5	NNE 5	NNE 4	NE 5	E 5	SEE 6	E 3	E 3	NE 4	17
5	N 4	N 2	N 5	E 3	NNE 2	NNE 3	NE 3	E 5	E 4	E 3	E 0	18
2	N 5	N 4	N 4	N 5	N 5	NNE 5	NNE 5	NE 5	NE 4	NE 4	NE 3	19
3	N 5	N 5	N 5	N 6	NNE 5	NE 5	NE 3	NNE 3	NE 5	NNE 3	NE 3	20
6	N 6	N 4	NNE 5	NNE 5	NNE 5	NNE 5	NE 4	NE 3	NE 3	NE 2	NNE 2	21
2	SWW 2	N 4	N 2	N 1	NEE 3	NNE 4	NNE 3	NE 3	NE 3	NNE 3	NNE 2	22
5	N 4	N 5	N 4	NE 4	E 5	SEE 4	NEE 3	E 3	E 3	SEE 2	SEE 2	23
3	NNW 10	N 5	N 5	N 6	N 6	N 5	N 3	N 0	N 2	N 1	N 1	24
6	N 4	N 4	N 4	NNW 2	NW 1	NNW 5	N 6	NW 9	NNW 7	N 7	N 5	25
5	N 5	N 5	N 4	N 4	NE 2	NE 3	NE 1	NE 1	NE 1	NEE 1	NEE 0	26
1	W 1	NNW 4	NNE 4	NE 5	NEE 5	SEE 5	SEE 4	SEE 4	SEE 5	SEE 4	SEE 4	27
2	N 5	NNE 2	NE 2	NNE 4	NNE 6	NNE 5	NE 10	NNE 6	NNE 5	NNE 4	NNE 4	28
0	N 10	N 8	N 8	N 6	NNE 7	NNE 5	N 4	NNE 2	SEE 4	E 3	E 1	29
4	NE 4	NEE 5	SEE 6	SEE 6	SEE 5	SEE 5	SEE 5	SE 4	SEE 2	SEE 0	SEE 0	30
	N	N	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	Galip yön

Gün Jour	S A A T — H E U R E																Top Tot
	5-6	6-7	7-8	8	9	9	10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	
1	—	0.2	1.0	0.9	0.7	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.6	—	—	—	9
2	0.2	—	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	12
3	0.5	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	13
4	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.3	—	12
5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	0.1	0.7	0.6	—	0.1	0.9	0.2	0.5	0.3	0.9	0.6	0.8	0.8	0.5	—	—	7
7	0.1	0.6	1.0	0.8	0.9	1.0	1.0	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	—	12
8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	14
9	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	14
10	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	—	13
1 inci onluk	3.7	6.5	8.1	7.7	7.7	8.9	8.2	8.3	8.1	8.8	8.6	8.4	7.2	6.8	1.4	108	108
11	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	13
12	0.6	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	—	13
13	—	0.6	0.8	0.7	1.0	0.9	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	—	11
14	—	0.5	1.0	0.7	0.4	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	11
15	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	—	13
16	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	—	13
17	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	—	13
18	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	—	13
19	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.7	—	13
20	—	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	—	13
2 inci onluk	4.7	9.1	9.7	9.4	9.4	9.7	9.7	10.0	10.0	10.0	10.0	10.0	10.0	9.9	8.8	0.3	130
21	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	—	13
22	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	—	13
23	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	—	13
24	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	—	13
25	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	—	13
26	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	—	13
27	—	0.6	0.7	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	—	12
28	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	—	13
29	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	—	13
30	0.5	0.6	0.5	0.2	1.0	1.0	0.9	0.9	1.0	0.9	1.0	1.0	1.0	0.8	0.7	—	11
31	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	—	13
3 üncü onluk	5.7	10.2	10.2	10.0	11.0	11.0	10.9	10.9	11.0	10.9	11.0	11.0	10.8	8.9	—	143	143
Toplam	14.1	25.8	28.0	27.1	28.1	29.6	28.8	29.2	29.1	29.7	29.6	29.4	27.9	24.5	1.7	382	382

Güneşlenme — *Insolation*

Ağustos 1939 — Août 1939

Gün dur	S A A T — H E U R E														Toplam Total
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	
1	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.8
2	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.9
3	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.6
4	0.1	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	12.7
5	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	13.1
6	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	13.0
7	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.8
8	0.4	1.0	1.0	1.0	1.0	1.0	0.9	0.7	1.0	1.0	1.0	1.0	1.0	0.1	12.1
9	0.3	0.9	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.4	—	11.5
0	0.1	0.6	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	—	11.2
nci luk	2.9	9.3	9.9	10.0	10.0	9.9	9.9	9.7	10.0	10.0	10.0	10.0	9.0	4.1	124.7
1	—	—	—	0.3	0.8	0.6	0.5	—	0.4	0.7	—	0.5	0.1	—	3.9
2	0.4	1.0	1.0	0.9	0.7	—	—	—	—	—	0.2	0.5	0.5	—	5.2
3	—	—	—	—	—	—	—	—	0.6	1.0	0.6	1.0	0.4	—	3.6
4	—	—	—	0.1	0.6	0.5	0.6	1.0	1.0	0.9	1.0	0.5	0.6	0.2	7.3
5	—	0.6	0.4	0.8	0.8	0.9	1.0	1.0	0.7	0.9	0.7	—	0.7	0.4	8.9
6	0.3	1.0	0.8	0.9	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.2
7	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	12.8
8	0.2	0.9	1.0	0.9	0.5	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	11.7
9	—	1.0	0.9	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.2	11.3
0	0.2	1.0	1.0	0.7	0.9	—	—	0.4	0.8	1.0	1.0	1.0	0.8	0.2	9.0
nci luk	1.4	6.5	6.1	6.7	7.0	5.6	6.1	6.4	7.5	8.5	7.5	7.5	6.6	2.5	85.9
1	0.5	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0.9	—	—	0.1	1.0	0.2	8.9
2	0.2	0.7	1.0	1.0	1.0	1.0	0.8	0.3	0.8	1.0	0.5	0.2	1.0	0.2	9.7
3	—	—	0.1	0.8	1.0	1.0	1.0	0.9	1.0	0.8	0.1	0.9	0.6	—	8.2
4	0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	—	12.1
5	—	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.2
6	—	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	—	12.0
7	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	—	12.0
8	—	0.8	0.6	0.3	1.0	0.8	0.7	0.8	1.0	1.0	0.8	1.0	1.0	—	9.8
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0	—	—	—	—	—	—	—	—	0.3	0.7	1.0	0.9	0.4	0.2	3.5
1	—	—	—	0.2	—	—	—	0.2	0.3	0.1	—	0.4	0.4	—	1.6
nci luk	1.0	6.5	6.7	7.3	8.0	7.8	7.5	6.4	8.3	7.6	6.4	7.5	8.2	0.8	90.0
lam	5.3	22.3	22.7	24.0	25.0	23.3	23.5	22.5	25.8	26.1	23.9	25.0	23.8	7.4	300.6

Gün Jour	S A A T — H E U R E															Toplam Total
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19		
1	—	—	—	—	—	0.6	0.3	0.7	0.8	0.8	1.0	1.0	1.0	0.2	6.4	
2	—	1.0	1.0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	12.2	
3	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	12.4	
4	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	—	12.2	
5	—	0.8	1.0	0.9	0.2	0.2	0.8	0.6	0.4	1.0	1.0	1.0	0.9	0.2	2.0	
6	—	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.1	11.8	
7	—	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	—	11.9	
8	—	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	—	11.6	
9	—	0.3	1.0	0.6	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.8	0.4	—	9.9	
10	—	—	—	0.7	0.6	0.6	—	—	0.3	1.0	1.0	1.0	0.4	—	5.6	
1 inci onluk	0.4	6.7	8.0	8.0	7.7	8.3	8.1	8.3	8.5	9.8	10.0	9.7	8.4	1.1	103.0	
11	—	—	—	0.1	0.9	0.2	0.2	0.9	1.0	1.0	1.0	1.0	1.0	—	7.3	
12	—	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	—	11.8	
13	—	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	—	1.6	
14	—	0.1	0.3	0.5	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	—	9.6	
15	—	0.2	1.0	1.0	0.9	1.0	1.0	0.9	0.8	0.1	0.6	0.8	0.2	—	8.5	
16	—	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	—	11.0	
17	—	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	—	11.5	
18	—	0.7	1.0	1.0	1.0	0.9	0.7	0.9	1.0	1.0	1.0	1.0	0.2	—	10.4	
19	—	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	—	11.1	
20	—	—	0.7	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.9	0.8	0.1	—	9.4	
2 inci onluk	—	3.9	8.0	8.6	9.6	9.0	8.9	9.7	9.7	9.1	9.5	9.6	6.6	—	102.2	
21	—	0.5	0.3	0.8	0.1	0.6	1.0	0.6	0.7	1.0	1.0	0.8	—	—	7.4	
22	—	0.5	1.0	0.7	1.0	0.8	1.0	1.0	1.0	1.0	0.7	—	—	—	8.7	
23	—	—	0.1	0.1	0.8	1.0	1.0	1.0	1.0	1.0	0.9	0.7	0.4	—	8.0	
24	—	—	—	0.2	0.6	0.2	0.3	1.0	—	0.1	—	—	—	—	2.4	
25	—	—	0.1	—	—	—	—	—	—	—	—	—	—	—	0.1	
26	—	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	0.5	—	10.7	
27	—	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	—	11.1	
28	—	—	—	0.2	0.2	—	—	—	—	—	—	—	—	—	0.4	
29	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
30	—	—	0.1	0.5	0.9	—	—	—	—	—	—	—	—	—	1.5	
3 üncü onluk	—	1.9	3.6	4.5	5.6	4.6	5.3	5.6	4.7	5.0	4.5	3.5	1.5	—	50.3	
Toplam	0.4	12.5	19.6	21.1	22.9	21.9	22.3	23.6	22.9	23.9	24.0	22.8	16.5	1.1	255.5	

Toprağın sıcaklığı
Température de la terre

Temmuz 1939 — Juillet 1939

DERİNLİK — PROFONDEUR

in ur	— 5 cm.				— 10 cm.				— 20 cm.				— 50 cm.				-1m.	-2m.
	7	14	21	Ortalama Moy.	7	14	21	Ortalama Moy.	7	14	21	Ortalama Moy.	7	14	21	Ortalama Moy.	14	14
1	25.3	33.2	28.2	28.9	25.1	30.5	28.9	28.3	26.1	27.6	28.7	27.5	25.0	24.8	24.8	24.9	20.8	16.6
2	24.6	37.1	29.2	30.3	25.0	32.9	30.0	29.3	26.0	28.6	30.0	28.2	25.0	24.8	24.9	24.9	20.9	16.7
3	27.3	37.8	29.5	31.5	26.0	33.8	31.0	30.3	26.5	29.5	30.8	28.9	25.5	25.2	25.5	25.4	21.1	16.8
4	25.9	37.5	30.0	31.1	25.8	33.7	30.8	30.1	26.8	29.7	30.7	29.1	25.7	25.4	25.5	25.5	21.2	16.8
5	25.8	26.8	23.8	25.5	25.7	25.8	24.8	25.4	27.2	25.5	25.7	26.1	25.8	25.5	25.0	25.4	21.3	16.9
6	21.3	26.4	23.2	23.6	21.6	25.2	24.0	23.6	23.1	24.3	24.7	24.0	24.6	24.1	23.8	24.2	21.4	16.9
7	21.7	31.3	25.3	26.1	21.6	28.3	26.5	25.5	22.7	25.4	26.8	25.0	23.7	23.4	23.5	23.5	21.4	17.1
8	22.2	33.2	26.4	27.3	22.4	29.8	27.6	26.6	23.6	26.5	27.8	26.0	23.9	23.8	24.0	23.9	21.4	17.2
9	22.7	34.7	26.4	27.9	22.8	31.5	28.2	27.5	24.4	27.5	28.5	26.8	24.4	24.0	24.2	24.2	21.5	17.3
0	22.8	36.6	27.7	29.0	22.5	32.5	29.5	28.2	24.4	28.8	29.5	27.6	24.6	24.4	24.5	24.5	21.5	17.4
nei luk	24.0	33.5	27.0	28.1	23.9	30.4	28.1	27.5	25.1	27.3	28.3	26.9	24.8	24.5	24.6	24.6	21.3	17.0
1	24.0	37.5	28.5	30.0	23.5	33.4	30.0	29.0	25.0	28.8	30.1	28.0	24.9	24.8	24.9	24.9	21.5	17.5
2	25.8	35.6	27.9	29.8	25.2	32.1	29.6	29.0	26.2	28.6	29.8	28.2	25.3	25.2	25.2	25.2	21.5	17.5
3	25.6	36.0	28.5	30.0	25.6	32.3	29.3	29.1	26.5	28.8	29.5	28.3	25.4	25.3	25.4	25.4	21.5	17.6
4	25.0	34.2	27.1	28.8	25.0	31.0	28.6	28.2	26.3	28.0	29.1	27.8	25.6	25.3	25.3	25.4	21.6	17.6
5	25.4	37.7	28.6	30.6	24.1	33.4	30.2	29.2	25.3	28.8	30.3	28.1	25.4	25.3	25.4	25.4	21.8	17.7
6	24.2	39.6	29.7	31.2	23.8	34.3	31.2	29.8	25.7	29.3	31.0	28.7	25.7	25.3	25.3	25.4	21.8	17.7
7	26.0	41.5	31.2	32.9	25.3	35.7	32.5	31.2	26.5	30.5	32.2	29.7	25.9	25.8	25.8	25.8	21.8	17.7
8	27.1	42.3	32.8	34.1	26.1	36.5	33.7	32.1	27.4	31.1	33.0	30.5	26.4	26.2	26.4	26.3	22.0	17.8
9	29.0	43.8	33.5	35.4	27.8	37.7	34.5	33.3	28.8	32.3	34.0	31.7	26.8	26.8	27.0	26.9	22.2	17.8
0	29.3	43.8	33.3	35.5	28.4	37.9	34.5	33.6	29.5	32.8	34.1	32.1	27.5	27.4	27.4	27.4	22.4	17.9
nei luk	26.1	39.2	30.1	31.8	25.5	34.4	31.4	30.5	26.7	29.9	31.3	29.3	25.9	25.7	25.8	25.8	21.8	17.7
21	28.8	43.3	32.3	34.8	28.1	37.3	34.0	33.1	29.4	32.5	34.0	32.0	27.8	27.7	27.8	27.8	22.7	18.0
22	29.5	44.2	33.0	35.6	28.3	38.2	34.7	33.7	29.4	33.0	34.4	32.3	28.0	28.0	27.8	27.9	22.9	18.0
23	27.5	44.7	32.5	34.9	27.8	38.5	34.3	33.5	29.6	33.0	34.3	32.3	28.4	28.0	28.0	28.1	23.2	18.1
24	27.7	44.0	32.0	34.6	27.5	38.0	34.0	33.2	29.3	32.7	34.0	32.0	28.3	28.0	28.1	28.1	23.4	18.2
25	29.8	45.2	33.1	36.0	28.0	38.5	34.6	33.7	29.0	32.7	34.3	32.0	28.4	28.2	28.1	28.2	23.6	18.3
26	30.2	45.0	33.0	36.1	28.4	38.5	34.5	33.8	29.4	32.9	34.5	32.3	28.4	28.3	28.5	28.4	23.7	18.4
27	28.4	43.1	31.8	34.4	28.2	37.4	33.8	33.1	29.6	32.6	33.8	32.0	28.6	28.4	28.3	28.4	23.8	18.4
28	27.5	42.3	30.8	33.5	26.9	36.7	32.8	32.1	28.7	32.0	33.1	31.3	28.5	28.2	28.1	28.3	23.8	18.5
29	27.0	39.1	29.6	31.9	26.6	34.7	31.5	30.9	28.4	31.0	31.7	30.4	28.3	27.9	27.8	28.0	24.8	18.6
30	25.8	37.2	29.0	30.7	26.4	33.2	30.5	30.0	27.8	29.9	30.8	29.5	27.8	27.5	27.3	27.5	23.8	18.6
31	25.8	41.0	30.3	32.4	25.7	35.4	31.8	31.0	26.2	30.4	31.8	29.5	27.4	27.2	27.1	27.2	23.9	18.7
nei luk	28.0	42.6	31.6	34.1	27.4	36.9	33.3	32.5	28.8	32.1	33.3	31.4	28.2	27.9	27.9	28.0	23.6	18.3
ylık alama	26.1	38.6	29.6	31.4	25.7	34.0	31.0	30.2	26.9	29.8	31.1	29.3	26.4	26.1	26.2	26.2	22.3	17.7

Toprağın sıcaklığı
Température de la terre

Ağustos 1939 — Août 19

Gün — Jour	DERİNLİK — PROFONDEUR																		
	— 5 cm.				— 10 cm.				— 20 cm.				— 50 cm.				— 1 m.		— 2
	7	14	21	Ortalama Moy.	7	14	21	Ortalama Moy.	7	14	21	Ortalama Moy.	7	14	21	Ortalama Moy.	14		
1	26.9	41.5	29.3	32.6	26.4	35.8	31.2	31.1	27.8	30.5	31.2	29.8	27.4	27.3	27.1	27.3	23.9	1	
2	27.2	40.7	30.6	32.8	26.4	35.3	32.0	31.2	27.8	30.7	32.0	30.2	27.4	27.3	27.2	27.3	23.9	1	
3	27.4	42.3	31.8	33.8	26.8	36.5	33.1	32.1	28.1	31.4	32.8	30.0	27.4	27.3	27.4	27.4	23.9	1	
4	27.4	42.3	31.6	33.8	27.3	36.6	33.0	32.3	28.7	31.6	32.9	31.1	27.7	27.6	27.5	27.6	23.9	1	
5	27.7	43.0	31.6	34.1	27.5	37.0	33.3	32.6	28.8	31.6	33.0	31.1	27.8	27.8	27.7	27.8	23.9	1	
6	27.6	43.5	32.4	34.5	27.3	37.3	34.0	32.9	28.8	32.0	33.6	31.5	28.0	27.8	27.8	27.9	24.2	1	
7	26.8	43.3	33.0	34.4	27.0	37.3	34.0	32.8	29.0	32.0	32.3	31.1	28.4	28.0	28.0	28.1	24.2	1	
8	29.5	43.7	33.4	35.5	28.3	37.7	34.7	33.6	29.4	32.6	34.2	32.1	28.4	28.3	28.4	28.4	24.3	1	
9	28.2	44.8	33.8	35.6	28.3	38.5	34.9	33.9	29.8	32.7	34.3	32.3	28.6	28.3	28.4	28.4	24.4	1	
10	29.2	41.9	31.7	34.3	29.0	37.5	33.1	33.2	30.1	32.8	33.3	32.1	28.7	28.6	28.6	28.6	24.5	1	
1 inci onluk	27.8	42.7	31.9	34.1	27.4	37.0	33.3	32.6	28.8	31.8	33.0	31.2	28.0	27.8	27.8	27.9	24.1	1	
11	27.3	31.4	26.8	28.5	28.4	30.2	28.4	29.0	29.6	29.9	29.5	29.7	28.7	28.5	28.0	28.4	24.6	1	
12	23.7	26.3	22.5	24.2	23.9	26.8	24.5	25.1	26.2	27.0	26.4	26.5	27.7	27.2	26.8	27.2	24.6	1	
13	20.6	23.1	21.7	21.8	21.8	21.8	22.5	22.0	24.0	21.8	23.3	23.0	26.5	25.3	24.7	25.5	24.5	1	
14	20.8	27.5	23.3	23.9	21.1	25.3	24.3	23.6	22.3	23.7	24.8	23.6	24.5	24.3	24.3	24.4	23.8	1	
15	22.9	29.5	24.4	25.6	22.3	27.0	25.3	24.9	23.0	25.1	25.8	24.6	24.4	24.2	24.3	24.3	23.7	1	
16	22.5	30.7	24.5	25.9	22.4	27.8	25.7	25.3	23.6	25.5	26.5	25.2	24.5	24.3	24.5	24.4	23.4	1	
17	24.0	32.0	25.4	27.1	23.0	29.0	26.8	26.3	23.8	26.5	27.4	25.9	24.7	24.7	24.7	24.7	23.4	1	
18	23.2	31.4	25.7	26.8	23.3	27.8	26.9	26.0	24.6	26.4	27.5	26.2	25.1	25.0	25.0	25.0	23.4	1	
19	23.4	32.0	25.6	27.0	23.5	29.0	27.0	26.5	24.8	26.6	27.7	26.4	25.3	25.3	25.4	25.3	23.4	1	
20	22.1	29.3	24.1	25.2	23.0	26.5	25.5	25.0	24.7	25.5	26.3	25.5	25.5	25.2	25.0	25.2	23.4	1	
2 inci onluk	23.1	29.3	24.4	25.6	3.3	27.1	25.7	25.4	24.7	25.8	26.5	25.7	25.7	25.4	25.3	25.4	23.8	1	
21	21.3	30.3	22.2	24.6	21.8	28.0	23.5	24.4	23.5	26.2	24.8	24.8	25.0	24.7	24.7	24.8	23.4	1	
22	20.6	29.5	23.4	24.5	20.8	26.9	24.5	24.1	22.4	25.0	25.4	24.3	24.5	24.3	24.2	24.3	23.3	1	
23	20.7	26.4	22.1	23.1	21.3	24.8	23.1	23.1	22.7	28.8	24.1	23.5	24.3	24.0	23.8	24.0	23.1	1	
24	20.0	28.3	22.4	23.6	20.6	25.9	23.6	23.4	22.9	24.0	24.5	23.8	23.7	23.5	23.4	23.5	23.0	1	
25	19.7	30.8	23.2	24.6	20.3	27.7	25.0	24.3	21.9	24.8	25.8	24.2	23.5	23.3	23.4	23.4	22.8	1	
26	19.9	30.7	23.8	24.8	20.8	27.8	25.4	24.7	22.5	25.0	25.6	24.4	23.7	23.7	23.7	23.7	22.8	1	
27	20.7	29.8	24.0	24.8	21.7	27.3	25.5	24.8	23.4	25.0	25.5	24.6	24.1	23.8	23.7	23.9	22.8	1	
28	21.8	29.2	23.8	24.9	22.2	27.1	25.0	24.8	23.3	25.3	25.7	24.8	24.0	23.9	24.0	24.0	22.7	1	
29	21.8	19.7	19.5	20.3	22.7	20.0	20.2	21.0	23.8	20.9	21.2	22.0	24.2	23.6	23.2	23.7	22.7	1	
30	19.7	23.8	20.3	21.3	19.8	22.3	21.5	21.2	20.7	21.5	22.4	21.5	22.8	22.6	22.5	22.6	22.6	1	
31	19.4	26.4	21.4	22.4	19.8	23.8	22.4	22.0	20.8	21.9	22.9	21.9	22.4	22.2	22.1	22.2	22.3	1	
3 inci onluk	20.5	27.7	22.4	23.5	21.1	25.6	23.6	23.4	22.5	23.9	24.4	23.6	23.8	23.6	23.5	23.6	22.9	1	
Aylık Ortalama	23.7	33.1	26.1	27.6	23.8	29.8	27.4	27.0	25.3	27.1	27.8	26.7	25.8	25.5	25.5	25.6	23.6	1	

Toprağın sıcaklığı
Température de la terre

Eylül 1939 — Septembre 1939

Gün — Jour		DERİNLİK — PROFONDEUR																	
		— 5 cm.				— 10 cm.				— 20 cm.				— 50 cm.				-1m.	-2m.
		7	14	21	Ortalama Mo.	7	14	21	Ortalama Mo.	7	14	21	Ortalama Mo.	7	14	21	Ortalama Mo.	14	14
1	19.6	25.3	21.0	22.0	20.2	23.5	22.2	22.0	21.2	22.2	22.9	22.1	22.2	22.1	22.1	22.1	22.1	22.1	19.8
2	17.9	27.0	22.4	22.4	18.9	24.5	23.5	22.3	20.4	22.5	23.4	22.1	22.1	22.0	22.0	22.0	21.8	19.8	
3	18.2	27.1	21.8	22.4	19.5	25.2	23.0	22.6	21.0	23.0	23.6	22.5	22.4	22.0	22.3	22.2	21.8	19.8	
4	18.8	28.1	22.4	23.1	19.9	25.7	23.4	23.0	21.2	23.4	24.0	22.9	22.4	22.2	22.2	22.3	21.8	19.8	
5	19.3	23.3	19.7	20.8	20.4	22.5	20.9	21.3	21.8	22.2	22.2	22.1	22.4	22.3	22.2	22.3	21.7	19.8	
6	17.1	23.5	19.1	19.9	18.4	22.4	20.5	20.4	20.0	21.4	21.7	21.0	22.0	21.8	21.7	21.8	21.7	19.7	
7	16.4	23.4	19.2	19.7	17.7	22.3	20.5	20.2	19.4	21.0	21.5	20.6	21.7	21.4	21.4	21.5	21.5	19.7	
8	17.1	24.1	20.3	20.5	18.0	22.7	21.3	20.7	19.5	21.2	22.1	20.9	21.4	21.2	21.1	21.2	21.4	19.7	
9	18.5	23.0	19.9	20.5	19.2	22.0	21.0	20.7	20.3	21.3	21.8	21.1	21.4	21.4	21.4	21.4	21.4	19.7	
10	18.0	22.6	20.8	20.5	18.8	21.6	21.5	20.6	20.0	20.9	21.8	20.9	21.4	21.2	21.3	21.3	21.2	19.7	
1inci onluk	18.1	24.7	20.7	21.2	19.1	23.2	21.8	21.4	20.5	21.9	22.5	21.6	21.9	21.8	21.8	21.8	21.6	19.8	
11	19.3	24.7	20.3	21.4	20.0	23.1	21.6	21.6	20.7	21.8	22.5	21.7	21.3	21.3	21.3	21.3	21.2	19.6	
12	16.7	25.7	20.7	21.0	18.0	23.6	21.8	21.1	19.8	21.8	22.6	21.4	21.4	21.3	21.2	21.3	21.1	19.6	
13	17.4	25.2	20.6	21.1	18.5	23.5	21.7	21.2	20.0	21.9	22.6	21.5	21.4	21.2	21.2	21.3	21.1	19.6	
14	18.5	26.1	21.3	22.0	19.0	24.2	22.4	21.9	20.3	22.3	23.0	21.9	21.4	21.4	21.4	21.4	21.0	19.5	
15	18.9	26.0	21.8	22.2	19.5	24.5	22.6	22.2	20.6	22.7	23.2	22.2	21.6	21.5	21.6	21.6	21.0	19.5	
16	19.3	27.8	23.4	23.5	20.2	25.5	23.8	23.2	21.3	23.4	24.0	22.9	21.8	21.8	22.0	21.9	21.0	19.4	
17	19.4	27.5	22.5	23.1	20.4	25.5	23.5	23.1	21.6	23.6	24.5	23.2	22.2	22.1	22.2	22.2	21.2	19.4	
18	19.4	26.8	22.4	22.9	20.5	25.0	23.4	23.0	21.3	23.3	24.0	22.9	21.9	22.3	22.2	22.1	21.3	19.4	
19	19.1	27.7	23.0	23.3	20.0	25.3	23.8	23.0	21.5	23.3	24.2	23.0	22.4	22.3	22.3	22.3	21.3	19.4	
20	20.2	27.7	22.0	23.6	20.9	25.7	23.8	23.5	22.2	24.0	24.3	23.5	22.5	22.5	22.5	22.5	21.4	19.4	
2inci onluk	18.8	26.5	21.9	22.4	19.7	24.6	22.8	22.4	20.9	22.8	23.5	22.4	21.8	21.8	21.8	21.8	21.2	19.5	
21	20.9	26.4	22.5	23.3	21.5	24.7	23.3	23.2	22.5	23.6	23.9	23.3	22.7	22.6	22.6	22.6	21.5	19.4	
22	20.0	27.8	23.2	23.7	20.8	25.8	24.0	23.5	22.0	23.7	24.4	23.4	22.6	22.6	22.5	22.6	21.5	19.4	
23	20.7	27.0	22.2	23.3	21.4	25.0	23.4	23.3	22.5	23.7	24.2	23.5	22.7	22.7	22.7	22.7	21.6	19.4	
24	21.4	22.5	19.0	21.0	21.1	23.8	21.0	22.0	22.2	23.2	22.1	22.5	22.8	22.5	22.5	22.6	21.6	19.4	
25	17.8	18.5	17.1	17.8	18.8	18.6	18.4	18.6	20.5	19.5	18.4	19.5	22.2	21.8	21.4	21.8	21.6	19.4	
26	13.9	18.4	14.3	15.5	15.7	17.8	16.0	16.5	17.6	18.0	17.7	17.8	20.9	20.5	20.2	20.5	21.2	19.4	
27	11.2	20.5	15.4	15.7	13.0	18.5	16.8	16.1	15.3	17.1	18.0	16.8	19.7	19.4	19.2	19.4	20.8	19.4	
28	13.9	16.4	14.3	14.9	14.9	16.7	15.4	15.7	16.2	16.8	16.5	16.5	19.2	18.9	18.7	18.9	20.4	19.4	
29	13.7	15.3	14.7	14.6	14.3	15.3	15.2	14.9	14.9	15.6	15.8	15.4	18.2	18.0	17.8	18.0	20.0	19.4	
30	13.9	17.5	15.4	15.6	14.6	17.2	16.2	16.0	15.4	16.7	16.8	16.3	17.8	17.6	17.8	17.7	19.4	19.4	
31Güneşli onluk	16.7	21.0	17.8	18.5	17.6	20.3	19.0	19.0	18.9	19.8	19.8	19.5	20.9	20.7	20.5	20.7	21.0	19.4	
Aylık Ortalama	17.9	24.1	20.1	20.7	18.8	22.7	21.2	20.9	20.1	21.5	21.9	21.2	21.5	21.4	21.4	21.4	21.3	19.5	

Ay günlerinin olaylara göre dağıtılması 1939

Distribution des jours du mois selon les phénomènes

Ay Mois	Açık Ouvet	Bulutlu Nuageux	Kapalı Couvert	Yağmurlu Pluvieux	Karlı Neigeux	Dolu Grêléux	Tipili Tempête de neige	Fırtınalı Tempête	Az donlu Gelé	Çok donlu Sans dégel	Kuru Gelé balnche	Çiyli Rosée	Şimşekli Éclair	Gök gürültülü Tonnaire	Sisli Brouillard	Puslu Brou. sec.
Temmuz Juillet	24	6	1	1	—	—	—	4	—	—	—	6	2	1	1	7
Ağustos Août	20	5	6	13	—	—	—	3	—	—	—	10	5	7	2	7
Eylül Septembre	17	7	6	4	—	—	—	1	—	—	—	13	1	1	4	6

II – Deniz rasatları (Observations de la mer)

Kemal Erkman

Bitişik sahifedeki cetvel Arnavutköyündeki akıntı anafor mahallindeki maroğraf ile ölçülen deniz seviyesine ait değişiklikleri gösterir. Bu cetvelin başlık satırı ayları ve başlık sütunu da ayın günlerini gösterir.

Sapma deniz seviyesinin, rıhtım üzerinde tespit edilmiş olan bir pirinç işaretin merkezinden itibaren alçalmadan ibarettir. Bu alçalma miktarı santimetre ile gösterilmiştir. Cetveldeki miktarlar sapmaların günlük ortalamasıdır. Son satır dahi aylık ortalamadır. Maroğraf kaleminin indirgeme oranı $1/5$ dir. Tabiidir ki cetveldeki hakiki kıymetler bu orantıya göre aletin diyagram iş'arından irca edilmiştir. Ortalama seviyenin normal miktarı henüz belli olmamıştır. Maroğraf kâğıdının sıfırı, işaret merkezinden 168.2 santimetre yüksektir. 7 numaralı diyagram bu seviye değişikliğine aittir. Seviyenin başlıca değişikliği basınç değişikliğine tâbi olduğundan karşılaştırmak için nokta ve çizgi ile basınç değişikliği çizildiği gibi meddicezir tesirini de takip edebilmek için konjeksiyon, dolonay ve dördünlerin zamanları da gösterilmiştir.

Deniz seviyesi ve sıcaklığı
Niveau et température de la mer

Günler - Jours Aylar - Mois	(cm.) Sapma Ecart			Sıcaklık — Température							
				Temmuz Juillet		Ağustos Août		Eylül Septembre			
	Temmuz Juillet	Ağustos Août	Eylül Septem.	m. 0.	m. -15	m. 0.	m. -15	m. 0.	m. -15		
1	26.7	24.6	22.0	—	—	—	—	—	—		
2	23.8	33.8	—	—	—	—	—	—	—		
3	22.9	28.1	—	—	—	—	—	—	—		
4	27.2	28.1	—	—	—	—	—	—	—		
5	26.5	30.4	—	—	—	—	—	—	—		
6	24.8	28.9	—	—	—	—	—	—	—		
7	28.0	25.4	—	—	—	—	—	—	—		
8	29.6	25.8	—	—	—	—	—	—	—		
9	29.4	26.5	—	—	—	—	—	—	—		
10	26.8	—	—	—	—	—	—	—	—		
11	25.7	—	—	—	—	—	—	—	—		
12	27.7	—	—	—	—	—	—	—	—		
13	25.9	—	29.7	—	—	—	—	—	—		
14	24.5	—	30.1	—	—	—	—	—	—		
15	28.3	—	28.0	—	—	—	—	—	—		
16	26.0	31.6	24.5	—	—	—	—	—	—		
17	22.6	31.3	27.3	—	—	—	—	—	—		
18	22.0	31.7	29.5	—	—	—	—	—	—		
19	22.1	30.7	27.6	—	—	—	—	—	—		
20	22.0	28.5	26.7	—	—	—	—	—	—		
21	23.6	25.8	29.6	—	—	—	—	—	—		
22	21.8	24.1	27.7	—	—	—	—	—	—		
23	22.1	24.8	28.3	—	—	—	—	—	—		
24	20.0	25.3	19.4	—	—	—	—	—	—		
25	15.2	28.0	22.7	—	—	—	—	—	—		
26	14.4	26.3	25.7	—	—	—	—	—	—		
27	24.0	26.8	29.3	—	—	—	—	—	—		
28	23.8	28.2	30.3	—	—	—	—	—	—		
29	26.6	26.5	35.4	—	—	—	—	—	—		
30	31.6	26.9	31.8	—	—	—	—	—	—		
31	33.3	26.6	—	—	—	—	—	—	—		
Ortalama	24.8	28.3	26.7	—	—	—	—	—	—		

Maroğrafın sistemi
 (Système du marographe) : Jules Richard
 Redüktör
 (Reducteur) : 1/5
 Mevki : Arnavutköy
 (Station)
 Reper : Rıhtımdaki piring dairinin merkezi
 (Repère) : Le centre du disque en lation fixé au quai

Termometrenin cinsi
 (Type du thermomètre) : Negretti zambra
 Rasat mahallesi
 (Lieu d'observation) : Kandilli iskelesi

III — Sismoloji (Séismologie)

Kemal Erkan

Bitişik sahifeler yerdepremlerini ve bunların asli ve tali fazlarının zamanlarını gösterir. Titrenti (Microséisme) ler dahil değildir. Cetvelin birinci sütunu tarih ve ikinci sütunu milletlerarası kabul edilmiş olan faz işaretleridir. Bu işaretlerden P_n veya $\bar{P}$ titreşimin başlangıcını, F nihayetini ve iM de en şiddetli titreşim fazını gösterir. Üçüncü sütun da Türkiye saatiyle fazların zamanlarıdır. Dördüncü sütunda $N-S$ bileşeninden alınan en büyük genliğin devir müddeti gösterildiği gibi beşinci, altıncı ve yedinci sütunlarda en büyük genlik miktarı milimetre olarak gösterilmiştir. A_N ($N-S$) bileşenine, A_E ($E-W$) bileşenine aittir. Tahmin edilen merkez üstü uzaklık Δ ile son sütunda kilometre olarak gösterilmiştir. Ve düşünceler hanesinde de olayın vukubulduğu haber verilen mahal icabederse coğrafi koordinatlarıyla beraber- kaydedilmiştir. Eğer olay memleket içerisinde ise icabeden umumi karakteri de ilâve edilmiştir. Kayıtlar Galitzin sistemi sismoğrafından alınmıştır. Eğer diğer aletlerden alınmış ise düşünceler hanesinde ayrıca gösterilmiştir.

Sismoloji rasatları — (Observations sismologiques)

Aletin sistemi (Système du sèismographe): Galitzin

Tarih Date	Fazlar Phases	Zamanlar h. m. Sec	N—S Bileşeninde Period Sec	A _N mm.	A _E mm.	A _Z mm.	Δ km.	DÜŞÜNCELER Remarques
Temmuz Juillet 1939 2	P _n S R _i P F	11.20.09 20.30 21.32 11.33.—	9	9	5	5	550	
4	eP _n	20.44.—	—	—	—	—	Uzak	Çok hafif.
6	P _n P R ₁ P R ₂ S _n F	00.59.52 01.02.14 03.16 09.14 02.30.—	—	—	20	16	6.600	
12	P _n P R _i PS S F	16.20.52 21.07 21.22 21.32 16.31.—	9	29,5	7	22	280	Dikilide
12	P _n F	22.30.39 23.27.—	—	—	—	—	Uzak	Hafif.
13	P _n S _c P _c S S _c P _c PS PPS F	00.11.36 17.25 23.41 27.33 03.52.—	12	9	15	5	13.000	
15	e S ? F	22.55.27 23.00.18 23.23.—	—	—	—	—	Uzak	Hafif.
16	iP _n P R ₁ P R ₂ F	12.32.— 41.17 13.04.30 13.57.—	13	14	29,5	2	15.000	
18	P _n P _c P _c S S R ₂ eL ? M ₁ M ₂ F	05.40.34 51.24 52.30 06.02.39 10.49 18.— 08.21.—	21	22	30	—	11.000	

Tarih Date	Fazlar Phases	Zamanlar h. m. Sec	N—S Bileşeninde Period Sec	A _N mm.	A _E mm.	A _Z mm.	Δ km.	DÜŞÜNCELER Remarques
Temmuz Juillet 1939								
20	P _n P PR _s S _c P _c S P S F	04.41.52 45.20 47.— 51.12 55.44 05.18.—	13	7	8,5	—	13.800	
24	P _n S F	19.40.38 45.02 20.11.—	—	—	5,5	4,5	240	
25	P _n R _s P R _s 2 P ₃ S ₂ R _s 2 S F	00.05.56 06.13 06.51 07.26 00.22.—	13	70	—	47,5	440	Muğlada Şiddetlice
25	P _n S R _s P F	05.40.46 40.56 41.10 05.52.—	9	28	37	—	200	Çok şiddetli Menkallardan alınmıştır.
25	P _n S F	05.56.24 56.45 05.57.—	—	—	—	—	200	Çok hafif.
26	P _n S R _s P ₂ S F	07.15.56 17.31 16.57 07.31.—	—	—	6	18	250	
27	P _n R _s 2 P R _s 2 S F	12.14.20 15.44 50.13 12.35.—	—	—	21	22	1.700	
28	P _n R _s 2 P R _s 2 S F	18.07.46 09.19 13.36 18.25.—	6	—	14,5	18	1.800	Replik.
31	P _n R _s 2 P S F	15.33.11 33.29 34.13 15.58.—	—	—	55	146	410	

Tarih Date	Fazlar Phases	Zamanlar h. m. Sec	N—S Bileşeninde Period Sec	A _N mm.	A _E mm.	A _Z mm.	Δ km.	DÜŞÜNCELER Remarques
Ağustos Août 1939								
2	$\frac{P_n}{S}$ R, 2 $\frac{P}{S}$ F	11.26.29 26.58 27.58 11.46.—	10	10	16,5	—	580	
2	$\frac{P}{S}$ R, $\frac{P}{S}$ F	15.06.37 06.53 07.00 15.15.—	8	14,5	18,5	—	130	Menkalardan alınmıştır.
3	$\frac{P}{S}$ R, $\frac{P}{S}$ F	14.33.13 33.29 33.46 14.46.—	6	60,5	57	—	125	Bursa, Erdek, İnegöl, Kütahya Uşak ve İzmirde duyulmuştur. Eskişehirde binalarda çatlaklık lar hâsıl olmuştur. Menkalardan alınmıştır.
3	$\frac{P}{S}$ F	15.42.10 42.26 15.52.—	9	18	42	—	130	Şiddetli. Yukardakinin repliğidir.
3	$\frac{P_n}{S}$ F	22.21.04 21.30 22.36.—	—	—	25	77	200	İnegölde
5	$\frac{P_n}{S}$ R, $\frac{P}{S}$ R, $\frac{P}{S}$ F	23.07.53 07.57 08.27 08.43 23.29.—	8	13	63	62,5	340	
6	$\frac{P_n}{S}$ F	05.07.03 05.11.—	—	—	—	—	Çok yakın	
8	$\frac{P_n}{S}$	16.56.—	—	—	—	—	Çok yakın	Replik.
8	$\frac{P_n}{S}$	23.40.—	—	—	—	—	Çok yakın	Replik.
9	$\frac{P_n}{S}$ R, $\frac{P}{S}$ R, $\frac{P}{S}$ F	05.32.21 33.15 35.07 05.56.—	11	13,5	31,5	18	1.200	
9	$\frac{P_n}{S}$ F	14.30.45 31.13 14.44.—	10	18	7,5	10	325	

Tarih Date	Fazlar Phases	Zamanlar h. m. Sec	N—S Bileşeninde Period Sec	A _N mm.	A _E mm.	A _Z mm.	Δ km.	DÜŞÜNCELER Remarques
Agustos Aout 1939								
10	P _n R ₁ $\overline{P}$ S F	01.44.08 44.10 44.23 02.12.—	8	194	169	79	200	İneğölde duyulmuştur
12	e ?	03.52.—	—	—	—	—	—	Çok yakın Çok hafif replik.
12	e P _n R ₂ 2 $\overline{P}$ R ₂ 2 S F	04.26.20 29.09 29.47 04.—.—	8	8,5	13	16,5	420	Muğlada
12	P _n S _n e L F	12.02.00 12.01 33.— 13.25.—	16	19	36,5	15	8.800	
19	$\overline{P}$ P R ₁ e ? e L F	00.35.17 39.12 01.09.40 49.40 02.45.—	16	11,5	13	9,5	17.400	
19	e F	03.07.— 05.09.—	—	—	—	—	—	Yukardakinin repliğidir. Çok hafif.
20	$\overline{P}$ S F	02.44.26 44.44 02.45.—	—	—	—	—	140	Çok hafif. Menkalardan alınmıştır.
23								Bugün aynı merkezden gelen iki hafif replik kaydedilmiştir.
24								Bugün aynı merkezden gelen iki hafif replik kaydedilmiştir.
27	$\overline{P}$ S F	10.46.07 46.27 10.52.—	—			—	165	Çok hafif.
28	P _n P R ₁ F	00.45.47 50.27 01.29.—	7,5	10,5	4,5	7,5	8.480	
31	P _n S F	03.09.58 10.38 03.16.—	—			—	280	

Tarih Date	Fazlar Phases	Zamanlar h. m. Sec	N—S Bileşeninde Period Sec	A _N mm.	A _E mm.	A _Z mm.	Δ km	DÜŞÜNCELER Remarques
Eylül Septembre 1939								
2	e P _n F	11.20.31 13.32.—	25	8	11	8	Uzak	Hafif.
5	e	01.03.39	—	—	—	—	Replik	Eser
5	P _n F	08.03.40 08.14.—	—	—	—	—	Replik	Eser
8	P _n S _n F	14.17.16 27.45 17.24.—	—	—	119	45	9.600	Şiddetli
13	e P _n	00.29.33	—	—	—	—	Yakın	Hafif replik.
16	P̄ R _i P̄ R _s P̄ S̄ F P̄ R _i P̄ S̄ F P̄ R _s P̄ S̄ F	01.16.55 16.57 17.04 17.15 01.30.— 02.14.27 14.36 14.47 02.17.— 03.43.26 43.35 43.45 03.47.—	— — — — — — — — — — — — —	— — — — — — — — — — — — —	— — — 4 — — 8 — — — 9 —	— — — — — — — — — — — — —	160 155 155	İnegöl (Domanıç) zelzelesi Şiddetli Manikalardan alınmıştır. İnegöl (Domanıç) zelzeleri Şiddetlice replik İnegöl (Domanıç) zelzelesi Şiddetlice replik Bu üç zelzele Şile, Akhisar, Çanakkale, Bilecik, Balıkesir, Eskişehir, Bursa, İnegöl ve şakta duyulmuştur. Ve bilhassa İnegölün Domanıç nahiyesinde ufak tefek hasarlar yapılmıştır.
17	e P _n	20.10.38	—	—	—	—	Yakın	Replik.
18	e P _n	13.50.52	—	—	—	—	—	Hafif replik.
19	P _n P R ₂ F	05.29.00 33.01 06.11.—	—	—	12	10	7.600	Hafif.
20	P _n R _i P̄ R _i P̄ S̄ R _i S̄ F	02.21.15 21.59 22.08 24.07 03.00.—	— — — — —	— — — — —	— — — 92 —	— — — 109 —	1.020	

Tarih Date	Fazlar Phases	Zamanlar h. m. Sec	N — S Bileşeninde Period Sec	A _N mm.	A _E mm.	A _Z mm.	Δ km.	DÜŞÜNCELER Remarques
Eylül septembre 1939								
22	P _n P S F	01.37.14 37.19 37.56 03.00.—	12	69	75	—	280	Çok şiddetli Dikili zelzelesi Dikili ve Bergamada çok hasar yapmıştır.
22	P _n S F	03.06.19 06.37 03.09.—	—	—	—	—	280	Hafif replik Dikili
22	P _n F	03.20.05 03.22.—	—	—	—	—	280	Çok hafif replik Dikili
22	e F	03.26.— 03.27.—	—	—	—	—	280	Çok hafif replik Dikili
22	e	04.14.—	—	—	—	—	280	Çok hafif replik Dikili
22	e	04.32.—	—	—	—	—	280	Çok hafif replik Dikili
22	P _n S F	06.10.00 10.40 06.12.—	—	—	—	—	280	Çok hafif replik Dikili
22								Bugün Dikilide ayrıca 4 adet çok hafif zelzele daha kayde- dirmiştir.
23	P _n S F	15.23.24 24.39 15.32.—	—	—	5	7	480	Kuvvetlice
23	e P _n	20.28.27	—	—	—	—	Dikili	Çok hafif
24	e P _n	08.03.23	—	—	—	—	Dikili	Çok hafif
24	e P _n	20.48.52	—	—	—	—	Dikili	Çok hafif
25	P _n S R _i P S F	18.29.36 30.14 30.35 18.48.—	—	—	—	—	400	Kuvvetlice

